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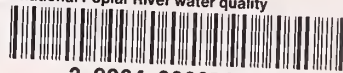
Appendix A: Surface Water Quality

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Appendix A: Surface Water Quality

PLEASE RETURN

Prepared by the Surface Water Quality
Committee of the International
Poplar River Water Quality Board,
International Joint Commission

International Poplar River Water Quality Board
International Joint Commission
Canada and the United States

January 18, 1979

Gentlemen:

Transmitted herewith is the report of the Surface Water Quality Committee that has been developed by the undersigned members in response to the tasks assigned for this Committee in the minutes of your Board's meeting of November 3, 1977. The Report consists of the main report, five attachments, and three annexes.

The Committee recommends that because of the short period of record, water quality monitoring in the Basin be continued. Should the Saskatchewan Power Corporation's project proceed, upgrading of water quality monitoring of the East Poplar River at the International Border is recommended.

Canadian Section



K.W. Reid, Chairman

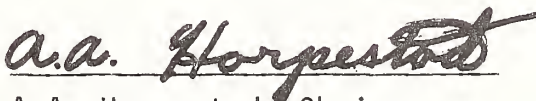


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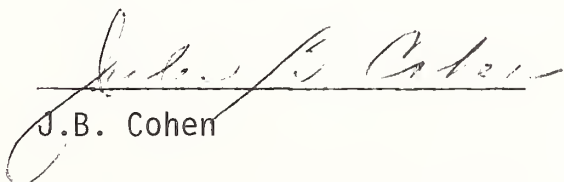


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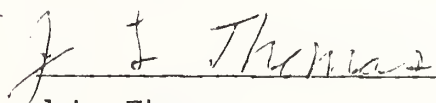
American Section



A.A. Horpestad, Chairman



J.B. Cohen



J.L. Thomas



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SUMMARY

Introduction

The International Poplar River Water Quality Board (IPRWQB) was established on September 30, 1977 by the International Joint Commission (IJC) to examine and answer questions raised by the Governments of the United States and Canada relative to water quality impacts of a coal-fired, thermal power plant being built in the Poplar River Basin in Canada by Saskatchewan Power Corporation (SPC) and of a recommended water apportionment. To assist the IPRWQB The Surface Water Quality Committee was established to describe present water conditions in the Poplar River Basin and to predict future water quality should the SPC project and a number of other projected developments take place.

As part of its study the Committee was directed to determine the effects on present water which would result both separately and commutatively from (a) changes in flow regime resulting from implementation of the recommended water apportionment (b) SPC's project and (c) implementation of other reasonably foreseeable developments in either country. Accordingly, information on reasonably foreseeable water developments was received from the Uses and Objectives Committee, another committee of the IPRWQB, and a series of development scenarios were formulated combining SPC's project in both the 300-and 600-Mw stages with present, 1985, and 2000 water usage. Water quality predictions were made for each of the scenarios.

Water quality was projected at the following locations:

- (1) East Poplar River at International Boundary
- (2) East Poplar River near Scobey, Montana above confluence with Poplar River
- (3) Poplar River at International Boundary
- (4) Poplar River South of Scobey, Montana below confluence with East Poplar River and above confluence with West Poplar River
- (5) West Poplar River at International Boundary
- (6) West Poplar River near Bredette, Montana
- (7) Poplar River near Poplar, Montana

The quality of these stations is considered to be representative of their reach of the river. Since the SPC project is the major development, emphasis was placed on the East Poplar River and on the Poplar River below its confluence with the East Poplar.

Methodology

To determine the present water quality an inventory was taken of

records available from federal, state and provincial agencies and consultants. After examination of the sampling and analytical procedures and after screening out questionable data, pertinent records were entered into a master file contained on NAQUADAT, the Canadian national computer data storage and retrieval system. Summary tables for the present water quality of rivers were then prepared which indicate variability in water quality annually and, where adequate data are available, seasonally and monthly.

Computer models were utilized to estimate the flow and concentrations of total dissolved solids, (TDS), some major ions, boron and sodium adsorption ratio (SAR) which would accompany each development scenario.

A water budget model (Karp II) which is an adaptation of the U.S. Bureau of Reclamation HYD-2 program was used to project the flows expected with proposed apportionment and assumed level of development. This model adjusts estimated natural flow by balancing the water inputs and withdrawals at selected control points. Another model (MME) which is a modification of a model developed by Montreal Engineering Corporation was used to estimate the quality and quantity of water in Cookson Reservoir. Quantities, qualities and scheduling of the materials entering the Reservoir as well as evaporation from the SPC project were obtained from the Operations Committee of the IPRWOB and used as input for the MME model.

Output from the MME and Karp II model were used as input to Karp III which was used to simulate water quality at selected locations. Initial concentrations obtained from a flow-quality regression allowed downstream concentrations to be determined from mass balance analyses for salt and water.

Karp III was verified by comparing predicted to observed values. Sensitivity analyses were performed on the model and it was found that the ash lagoon decant and seepage were responsible for much of the increase in boron and TDS in the East Poplar River caused by the SPC project.

Parameters not modelled were evaluated using professional judgement after consulting the literature, determining the relationship between flow and the parameter concerned and examining conditions in the Boundary Reservoir in the Souris River Basin where SPC operates a power plant similar to that being built.

Present Water Quality

The water quality record in the Poplar River Basin is generally restricted to the period since 1974. Hence the data are indicative, rather than definitive, of long term water quality conditions in the Basin.

Water quality is strongly influenced by flow, with concentrations of TDS and the major ions being greatest when stream flows are low. During these low flow periods when streamflows are maintained by groundwater, TDS usually exceeds 1000 mg/l. Highest TDS concentrations occur in the East Poplar River; concentrations in the Poplar River increase with distance from headwaters. During the spring runoff, dilution from snowmelt greatly

reduces the concentration of dissolved minerals. The dominant cation is sodium and the dominant anion is bicarbonate. These ions are three to ten times more abundant than the next most common cation and anion. The high concentration of sodium results in SAR often exceeding 5. Boron averages about 2 mg/l in the East Poplar River and 1 mg/l elsewhere. Concentrations of boron as high as 3 mg/l have been observed in the East Poplar River at the International Border when Fife Lake, which contains up to 4 mg/l of boron, overflows.

Except for the winter period when dissolved oxygen (DO) can fall to near 1 mg/l under ice cover, DO content of the Basin waters remains greater than 4 mg/l. Iron and manganese are the only metals present in significant quantities. There are little data on pesticides but trace quantities of 2,4-D and BHC have been consistently detected in the Canadian portion of the Basin.

Highest concentrations of nutrients generally occur during spring and summer when median total nitrogen is in the range of 1 to 2 mg/l and median total phosphorus is in the range of 0.05 to 0.3 mg/l.

The impoundment of water in Cookson Reservoir has increased the spring concentration of TDS and the major ions in the East Poplar River at the International Boundary by about 100%. The only other apparent effect of Cookson Reservoir on water quality in the East Poplar River is an increase in iron and possibly an increase in zinc and manganese for parts of the year. Increases in metals are probably due to altering the proportion of groundwater in the stream, while the change in TDS during the spring results from reducing the proportion of snowmelt in the river.

Future Water Quality

Development in Canada including the SPC power plant is not expected to significantly alter the historic levels of temperature, dissolved oxygen, metals, bacteria, turbidity, nutrients or organics in the waters of the Poplar River Basin in the United States. However it is possible that the additional irrigation projected for the United States portion of the Basin will increase the concentration of these parameters. The impact of this additional irrigation on water quality will be minimal if good agricultural management practices are followed.

Little change in the quality of the West Poplar River or the Poplar River above the confluence with the East Poplar River is expected to result from projected developments in Canada or the United States. However, significant changes in the concentrations of TDS, boron, SAR, sulphate and other major ions in the East Poplar River, and the Poplar River below its confluence with the East Poplar River, are expected to result from the SPC development.

To illustrate the effects of the SPC project on water quality of the Basin, projected median values for TDS and boron for three representative scenarios are extracted from attachments 2 to 5 and compared (Tables S-1 to S-8) to estimated historical concentrations. Other parameters are not shown here because of difficulty in modelling or because the projected levels will

be well below concentrations where water uses will be impaired. The scenarios shown here represent those with the greatest probability of occurring. The other scenarios considered do not result in concentrations significantly different from these three scenarios.

Marked increases in TDS are projected to occur in the East Poplar River at the International Boundary with all of the three scenarios (Table S-1). Decreases in TDS are expected from December through February and increases are projected throughout the rest of the year. TDS increases of 150 to 300% are expected to occur in the runoff period, with values being 20 to 50% higher than historical levels for the rest of the open water season. The effect of two power units and ultimate water use on TDS concentrations is only marginally greater than one power unit and existing water uses.

Table S-1. Summary of Impact of Saskatchewan Power Corporation's Poplar River Thermal Generating Plant on TDS Concentrations of East Poplar River at International Boundary

Scenario	Statistic	Concentration of TDS mg/l											
		Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Historical Baseline	Median	1470	1290	250	340	560	640	680	770	720	700	830	1070
1 power unit 1975 levels of water in Canada and U.S.	Projected Median	980	970	930	880	920	910	920	950	960	990	990	970
	Percent change from baseline	-33	-25	270	160	64	42	35	23	33	41	19	-9
2 power units 1985 levels of water use in Canada and U.S.	Projected Median	1080	1070	990	940	940	960	1020	1040	1060	1060	1050	1070
	Percent change from baseline	-27	-17	300	180	68	50	50	35	47	51	27	0
2 power units 1985 levels of water use in Canada, 2000 in U.S., full water apportionment	Projected Median	1100	1090	990	970	980	1000	1010	1080	1070	1090	1070	1100
	Percent change from baseline	-25	-16	300	190	75	47	49	40	49	56	29	3

Projected boron concentrations exhibit a pattern generally similar to that for TDS in the East Poplar River at the International Boundary, except that the relative increase in boron will be much greater. Two power units will result in boron concentrations much higher than those expected with one unit (Table S-2). Even during winter, the SPC development will double or triple historical boron concentrations and during spring runoff boron concentrations will increase by a factor of 6 to 21. In the irrigation season boron will be in the 4 to 5 mg/l range with one power unit and the 7 to 9 mg/l range with two units.

Table S-2. Summary of Impact of Saskatchewan Power Corporation's Poplar River Thermal Generating Plant on Boron Concentrations of the East Poplar River at International Boundary

Scenario	Statistic	Concentration of Boron mg/l											
		Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Historical Baseline	Median	2.9	2.5	0.3	0.5	1.0	1.2	1.3	1.4	1.3	1.3	1.6	2.1
1 power unit 1975 levels of water in Canada and U.S.	Projected Median	6.5	6.1	4.2	3.8	4.1	4.2	4.9	5.0	4.7	4.6	4.9	5.4
	Percent change from baseline	120	140	1300	660	310	250	280	260	260	250	210	160
2 power units 1985 levels of water use in Canada and U.S.	Projected Median	12.3	11.1	6.7	5.6	7.0	7.0	8.5	8.6	8.6	7.5	7.9	9.8
	Percent change from baseline	320	340	2130	1020	600	480	550	510	560	480	390	370
2 power units 1985 levels of water use in Canada, 2000 in U.S., full water apportionment	Projected Median	11.7	11.2	6.7	5.7	7.0	7.5	8.1	9.1	8.2	8.3	8.7	10.0
	Percent change from baseline	300	350	2130	1040	600	530	520	550	530	560	440	380

In the East Poplar River near Scobey (Tables S-3 and S-4) dilution from water entering the United States is expected to lower TDS and boron levels from that projected for the border station. The seasonal pattern noted upstream still persists but the changes from historical levels are less extreme. With development, TDS concentrations are expected to be 50 to 60% and 20 to 40% higher than historical levels during the runoff period, and the remainder of the open water period, respectively. During the irrigation season, boron will be in the 2 to 4 mg/l range with one unit and in the 3 to 7 mg/l range with two units.

Table S-3. Summary of Impact of Saskatchewan Power Corporation's Poplar River Thermal Generating Plant on TDS Concentrations of East Poplar River near Scobey, Montana

Scenario	Statistic	Concentration of TDS mg/l											
		Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Historical baseline	Median	1250	1170	410	490	680	750	790	850	800	790	880	1070
1 power unit 1975 levels of water in Canada and U.S.	Projected Median	980	930	630	760	900	900	930	970	960	970	1020	990
	Percent change from baseline	-22	-16	54	59	32	20	18	12	20	22	16	-8
2 power units 1985 levels of water use in Canada and U.S.	Projected Median	1080	1070	650	820	940	930	980	1030	1020	1010	1080	1070
	Percent change from baseline	-14	-9	59	67	38	24	24	21	28	28	23	0
2 power units 1985 levels of water use in Canada, 2000 in U.S., full water apportionment	Projected Median	1110	1080	660	790	940	970	990	1030	1030	1040	1090	1100
	Percent change from baseline	-11	-8	61	61	38	29	25	27	28	32	24	3

Table S-4. Summary of Impact of Saskatchewan Power Corporation's Poplar River Thermal Generating Plant on Boron Concentrations of the East Poplar River near Scobey, Montana

Scenario	Statistic	Concentration of Boron mg/l											
		Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Historical Baseline	Median	2.5	2.2	0.7	0.8	1.2	1.3	1.4	1.5	1.4	1.4	1.6	2.0
1 power unit 1975 levels of water in Canada and U.S.	Projected Median	6.4	6.0	1.5	2.3	3.0	3.2	3.9	4.1	3.7	3.2	4.3	5.2
	Percent change from baseline	160	170	110	187	150	150	180	170	160	130	170	160
2 power units 1985 levels of water use in Canada and U.S.	Projected Median	12.0	11.0	1.5	2.7	4.7	4.9	6.2	6.8	6.0	4.9	6.6	8.9
	Percent change from baseline	380	400	110	240	290	280	340	350	330	250	310	350
2 power units 1985 levels of water use in Canada, 2000 in U.S., full water apportionment	Projected Median	11.2	10.9	1.6	2.7	4.3	4.9	6.1	6.8	5.8	5.2	7.2	9.2
	Percent change from baseline	350	400	130	240	260	280	340	350	310	270	350	360

The Poplar River south of Scobey (Tables S-5 and S-6) exhibits the same seasonal pattern noted at the upstream stations but shows the diluting effect of the upper Poplar River and other upstream tributaries. Increases in all months over historical TDS levels are less than 30%. Substantial increases in boron are expected to result from development, but the increases will be less than those expected in the East Poplar River. During the irrigation season boron concentrations will be in the 1 to 3 mg/l range with one unit and in the 1 to 4 mg/l range with two units.

Table S-5. Summary of Impact of Saskatchewan Power Corporation's Poplar River Thermal Generating Plant on TDS Concentrations of Poplar River South of Scobey above Confluence with the West Poplar River

Scenario	Statistic	Concentration of TDS mg/l											
		Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Historical Baseline	Median	1250	1250	480	510	690	750	780	960	930	900	960	1150
1 power unit 1975 levels of water in Canada and U.S.	Projected Median	1120	1090	530	530	740	820	840	1010	1060	1000	1050	1100
	Percent change from baseline	-10	-13	10	14	7	9	8	5	14	11	9	-4
2 power units 1985 levels of water use in Canada and U.S.	Projected Median	1190	1150	530	590	770	830	870	980	1090	1030	1060	1110
	Percent change from baseline	-5	-8	10	16	12	11	12	2	17	14	10	-3
2 power units 1985 levels of water use in Canada, 2000 in U.S., full water apportionment	Projected Median	1200	1150	610	620	780	840	720	-	-	1030	1080	1170
	Percent change from baseline	-4	-8	27	22	13	12	-8	-	-	20	13	2

Table S-6. Summary of Impact of Saskatchewan Power Corporation's Poplar River Thermal Generating Plant on Boron Concentrations of Poplar River south of Scobey above Confluence with the West Poplar River

Scenario	Statistic	Concentration of Boron mg/l											
		Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Historical Baseline	Median	1.7	1.7	0.7	0.8	1.1	1.2	1.3	1.5	1.5	1.5	1.5	1.8
1 power unit 1975 levels of water in Canada and U.S.	Projected Median	3.7	4.1	0.9	1.2	1.5	1.7	1.9	2.7	2.9	2.3	2.3	2.6
	Percent change from baseline	120	140	29	50	36	42	46	80	93	53	53	44
2 power units 1985 levels of water use in Canada and U.S.	Projected Median	5.8	6.5	0.9	1.2	2.0	2.1	2.5	3.2	3.8	2.9	2.9	3.5
	Percent change from baseline	240	280	29	50	82	75	92	110	150	93	93	94
2 power units 1985 levels of water use in Canada, 2000 in U.S., full water apportionment	Projected Median	5.3	6.0	1.0	1.2	1.8	2.1	1.6	-	-	3.0	3.0	3.4
	Percent change from baseline	210	250	43	50	64	75	23	-	-	100	100	89

At Poplar, Montana, TDS concentrations in the river will be unaffected by the power plant (Table S-7). However, with 1985 or 2000 water usage (principally United States irrigation) there will be many months throughout the years with negligible flow (0.5 cfs). The model did not project water quality for monthly flows below 0.5 cfs. During periods of higher flow little change in TDS and boron levels were predicted.

Table S-7. Summary of Impact of Saskatchewan Power Corporation's Poplar River Thermal Generating Plant on TDS Concentrations of Poplar River near Poplar, Montana

Scenario	Statistic	Concentration of TDS mg/l											
		Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Historical Baseline	Median	1240	1280	470	510	700	790	1020	1280	1250	1010	1010	1190
1 power unit 1975 levels of water in Canada and U.S.	Projected Median	1170	1190	490	520	730	810	1020	1250	1230	1070	1030	1160
	Percent change from baseline	-6	-7	4	2	4	3	0	-2	-2	6	2	-3
2 power units 1985 levels of water use in Canada and U.S.	Projected Median	-	-	-	440	680	760	990	1320	1250	-	-	-
	Percent change from baseline	-	-	-	-14	-3	-4	-3	5	0	-	-	-
2 power units 1985 levels of water use in Canada, 2000 in U.S., full water apportionment	Projected Median	-	-	-	390	600	780	1010	1360	1360	-	-	-
	Percent change from baseline	-	-	-	-23	-14	-1	-1	6	9	-	-	-

Table S-8. Summary of Impact of Saskatchewan Power Corporation's Poplar River Thermal Generating Plant on Boron Concentrations of Poplar River near Poplar, Montana

Scenario	Statistic	Concentration of Boron mg/l											
		Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Historical Baseline	Median	1.3	1.3	0.5	0.6	0.9	0.9	0.9	1.0	1.0	1.2	1.2	1.3
1 power unit 1975 levels of water in Canada and U.S.	Projected Median	2.5	2.6	0.6	0.8	1.1	1.1	1.0	1.2	1.4	1.5	1.6	1.7
	Percent change from baseline	92	100	20	33	22	22	11	20	40	25	33	31
2 power units 1985 levels of water use in Canada and U.S.	Projected Median	-	-	-	0.9	1.2	1.3	1.1	1.0	1.7	-	-	-
	Percent change from baseline	-	-	-	50	33	44	22	0	70	-	-	-
2 power units 1985 levels of water use in Canada, 2000 in U.S., full water apportionment	Projected median	-	-	-	0.9	1.0	1.1	1.0	1.0	1.0	-	-	-
	Percent change from baseline	-	-	-	50	11	22	11	0	0	-	-	-

Mitigation

The effect on projected water quality of altering the operation of the ash lagoon to eliminate decant and reduce seepage was examined.

This mitigation will significantly reduce boron levels from those expected without mitigation. In the East Poplar River at the International Boundary these changes in ash lagoon operation will result in a highest median boron concentration of 4 - 5 mg/l and during the irrigation season the highest median levels will be 3 - 3.5 mg/l. At lower stations, mitigation will reduce the highest projected median levels of boron to 2 - 2.5 mg/l during the irrigation season and to 2.5 - 4 mg/l during the winter.

Mitigation as proposed will not reduce the concentrations of TDS expected to result from the operation of the SPC project. The difference between mitigated and non mitigated TDS concentrations will range from zero to an increase of 130. mg/l depending on the scenario, station, and time of year.

RECOMMENDATIONS

Since water quality data from the Poplar River Basin is generally only available since 1974, it is difficult to determine long term water quality conditions or to develop the flow-parameter relationships required to predict the quality of water resulting from developments in the Basin. Therefore it is recommended that water quality monitoring in the Poplar River Basin be continued with at least the present coverage and sampling frequency to gather the data necessary to refine the descriptions and predictions made in this report.

Further, should the Saskatchewan Power Corporation project proceed, the present monthly sampling of the East Poplar River at the International Boundary is too infrequent to determine compliance with water quality objectives. Therefore in the event the project proceeds, it is recommended that the frequency of water quality monitoring at this station be increased. The sampling frequency and parameters to be measured should be determined after examining the water quality objectives, and the temporal variability of plant and reservoir operations and of the natural water quality. However automatic water quality monitors and samplers should be considered.

It is recommended that an international board be established to direct the surveillance monitoring and determine compliance with the water quality objectives.

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- ANNEX B. Poplar River Basin. Water Quality Data Comprehensive Summary
- ANNEX C. Poplar River Basin. Water Quality Data Seasonal and Monthly Summary

I. INTRODUCTION

A. Purpose and Scope of Report

The Surface Water Quality Committee (the Committee) is one of five committees formed to provide information to the International Poplar River Water Quality Board (IPRWQB). This Board has been charged by the International Joint Commission (IJC) with the responsibility for answering questions raised by the Governments of the United States and Canada relative to the transboundary effects on water quality in the Poplar River Basin, of the operation of a 600-megawatt, coal-fired, thermal power plant in Saskatchewan to be operated by the Saskatchewan Power Corporation (SPC) and apportionment as recommended by the IJC.

Cooling water and mine and plant drainage will enter Cookson Reservoir contained behind Morrison Dam, on the East Poplar River about 3.2 km north of the International Boundary. Natural evaporation losses plus increased evaporation from the reservoir due to the addition of heated plant cooling water is expected to increase mineral concentrations in the reservoir. Water from the reservoir and from aquifers possibly altered by the development will flow into the United States.

The International Souris-Red River Engineering Board has recommended to the IJC an apportionment which will permit increased Canadian usage of the natural flow in transboundary streams in the Poplar Basin. The basic concern is whether the discharges to the reservoir, evaporation, changed ground-water conditions, and increased Canadian water usage will degrade water quality in the Poplar River Basin streams flowing into the United States and thereby cause injury to health and property in contravention of Article IV of the Boundary Waters Treaty of 1909.

Reports prepared by each committee form the technical bases for the IPRWQB's report to the IJC.

The outline of the assignments given to the Surface Water Quality Committee follows:

1. To determine the present state of water quality in the Poplar River Basin including fluctuations thereof with particular emphasis on the waters of the East Poplar River.
2. To determine the both natural and man-made factors affecting existing water quality.
3. To determine the effects on present water quality resulting from the following, both separately and cumulatively:

- (a) changes in the flow regime of the Poplar River if apportionment of the waters is made as recommended by the International Souris-Red Rivers Engineering Board's Poplar River Task Force in its report of February 22, 1976 or as the IJC may otherwise recommend.
- (b) the thermal power station of Saskatchewan Power Corporation and ancillary facilities including coal mining.
- (c) implementation of other reasonably foreseeable developments in either country.

Because the principal purpose of this report is to indicate the nature and extent of transboundary impacts, emphasis is placed on predicting the effects of the SPC project and recommended apportionment on the quality of water in the United States. There are a large number of locations in the Basin where existing water quality has been investigated and where future water quality could be predicted. However, because the principal purpose of this report is to indicate the nature and extent of transboundary impacts, emphasis in this report is placed on the quality of water at the International Border and at selected locations in the United States. Thus, present and future water quality is shown or predicted and discussed for the following locations:

1. East Poplar River at International Boundary (station 1)
2. East Poplar River near Scobey (station 3)
3. Poplar River at International Boundary (station 4)
4. Poplar River above confluence with West Fork south of Scobey (station 8)
5. Poplar River near Poplar Montana (station 12)
6. West Poplar River at International Boundary (station 9)
7. West Poplar River near Bredette Montana (station 11)

A schematic diagram of these locations are shown in Figure I-1.

The impact of the Polar project and apportionment will be described primarily with reference to these seven stations. However, because water quality in the East Poplar River at the International Boundary is affected by conditions in Cookson Reservoir, it was decided to add a reservoir station in the water quality discussion.

Also, other committees required information on water quality at the following stations:

1. Gerard Creek upstream of Coronach Reservoir
2. East Poplar River at Highway 36.
3. East Poplar River 1.6 km downstream of dam

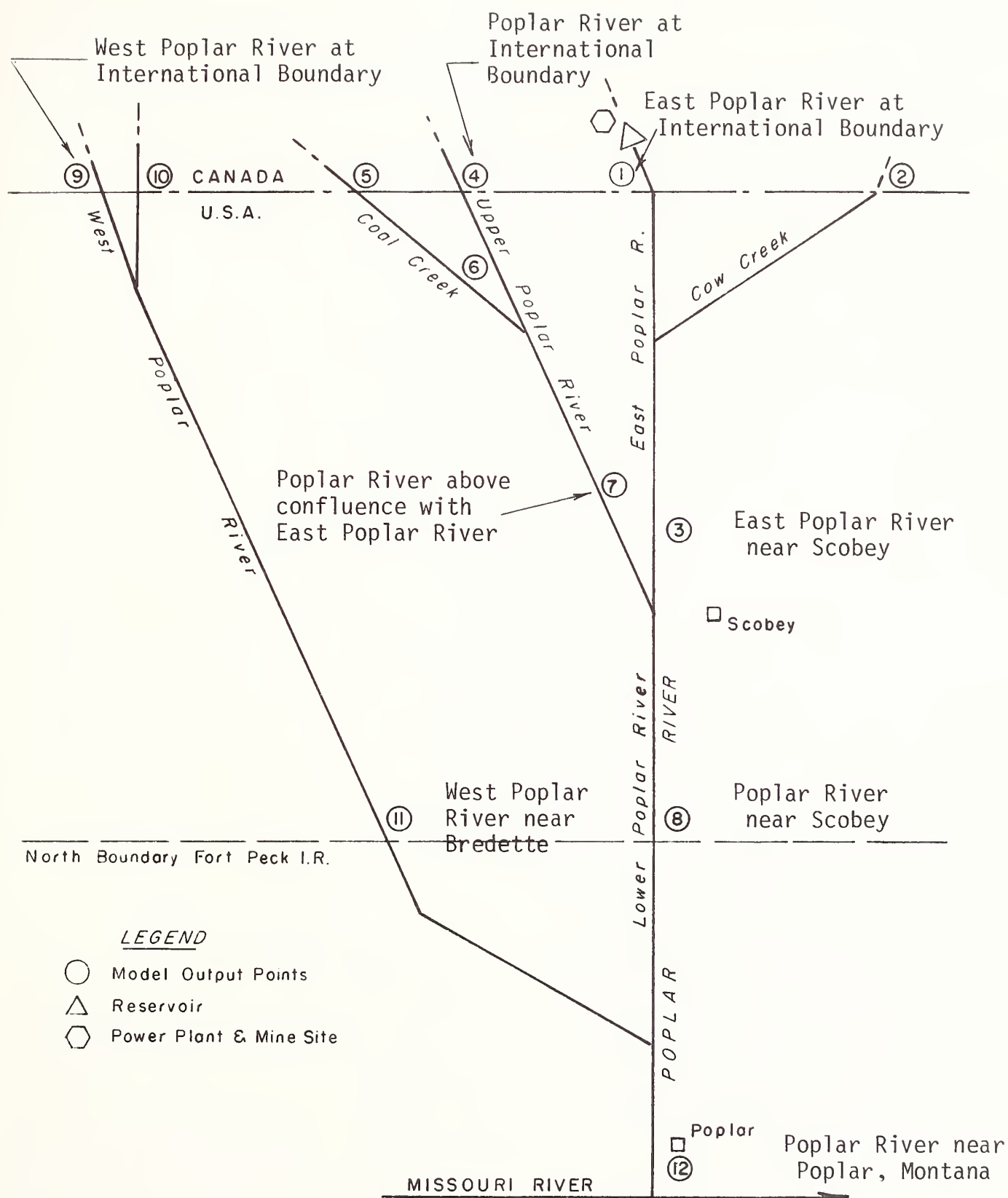


Figure I-1. Schematic of Poplar River Basin Showing Stations Where Water Quality Predictions are Made

Existing water quality data are provided for these three stations in Annex B and C. However, these data are not discussed.

The locations of the stations and the general study area are shown on Plate I-1.

Consideration was given to all water quality parameters for which data were available or for which predictions could be made. However, emphasis was placed on the parameters which were expected to be most affected by the project and apportionment. Parameters emphasized in this report are:

1. total dissolved solids (TDS)
2. boron
3. sulphate
4. sodium adsorption ratio (SAR)
5. nitrogen and phosphorus
6. dissolved oxygen (DO)
7. temperature

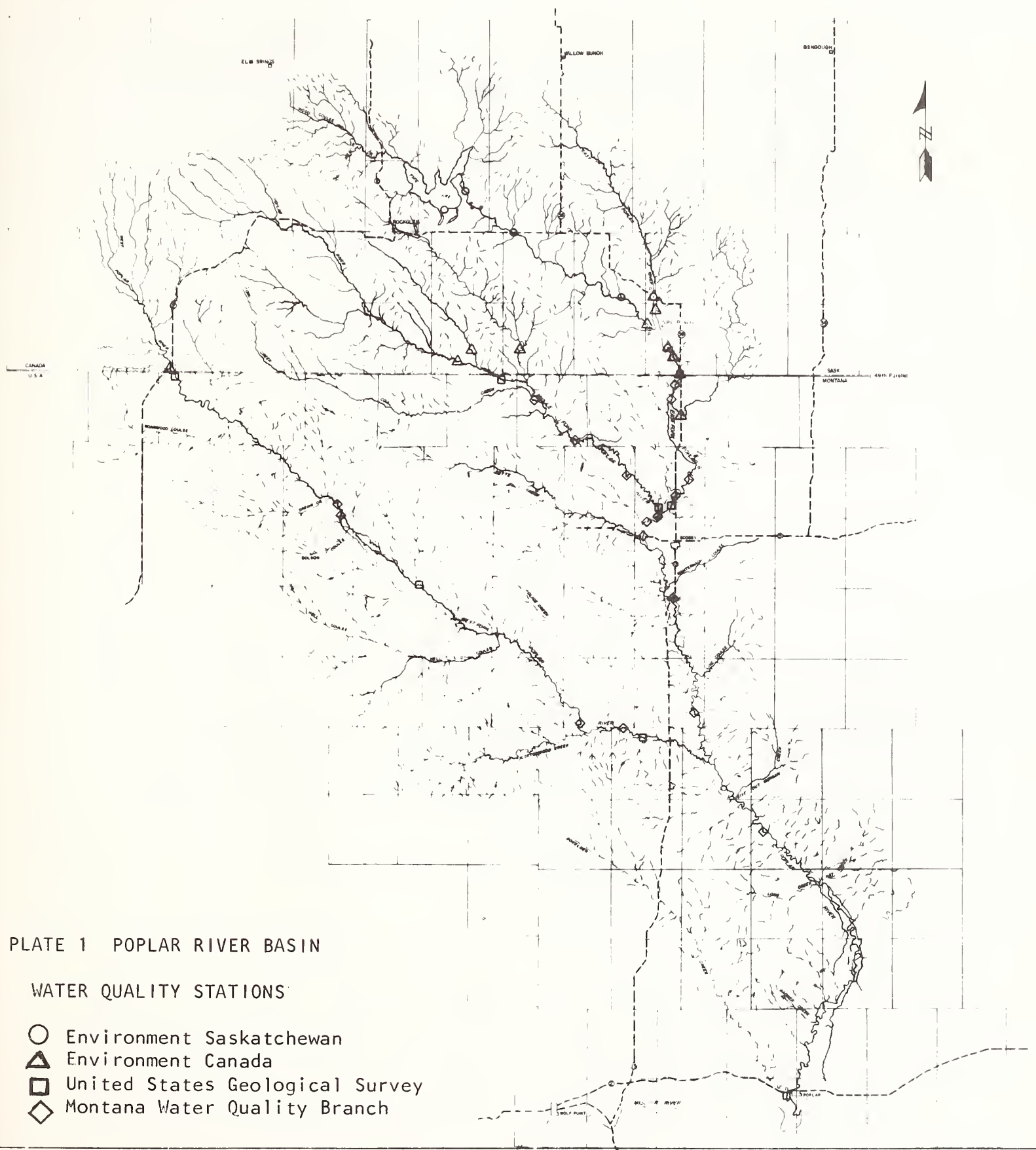


PLATE 1 POPLAR RIVER BASIN

WATER QUALITY STATIONS

- Environment Saskatchewan
- △ Environment Canada
- United States Geological Survey
- ◇ Montana Water Quality Branch

B. Acknowledgements

The Committee gratefully acknowledges the assistance of the individuals and companies following:

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II. WATER QUALITY DATA

To assess the current state of water quality in the Poplar River, a data bank was assembled which contained all available water quality information.

A. Sources of Data

Water quality data were obtained from federal, state and provincial sources as well as from consultants engaged by the Saskatchewan Power Corporation. Several agencies maintain water quality data on computerized storage and retrieval systems and provided the Committee with computer print-outs. The U.S. Geological Survey (USGS) data are stored in the Environmental Protection Agency STORET system, the Montana Water Quality Bureau data are stored on State computers, Saskatchewan Environment data are stored in ESQUADAT, and the Fisheries and Environment Canada data are in the NAQUADAT system. Consultants' data were supplied to the Committee in the form of laboratory sheets or summaries.

The monitoring programs conducted by the different agencies varied widely in sampling frequency and distribution. In some cases only a single sample was obtained at a particular location; in others, extensive records existed. Similarly, for certain samples only a single parameter was measured, whereas for others, many tests had been performed. The Committee considered the data available from some seventy-five (75) geographical sampling points and was able to simplify the interpretation and presentation by aggregating the majority of the data into fourteen (14) master stations. The agencies responsible for collecting and analyzing these data are indicated in Table II-1 which also shows the period of available water quality records for the master stations. In addition to these periods of regular monitoring indicated in the Table, some historical information was also considered by the Committee. This included samples taken by the USGS in 1965 at the border crossings and the 1952-54 survey of the Industrial Water Resources of Canada by the Department of Mines and Technical Surveys.

Table II-1. Sources of Water Quality Data and Periods of Available Records

Station	Collecting Agency					
	WQB	SWPCB	MWQB	USGS	SEC	BH
<u>East Poplar River:</u> S.E. of Coronach Cookson Reservoir N. of border at International Boundary near Scobey	1974-1975 1977 1974-1975 1975-1977	1975-1977 1976-1977 1975-1977 1975-1977	1975-1977	1974-1977 1975-1977	1973-1977 1976-1977 1975-1977 1973-1977	1975-1977 1975-1977 1976
<u>Girard Creek:</u> above S.P.C. dewatering below S.P.C. dewatering at Coronach Reservoir		1975-1977 1975-1977				
<u>Poplar River:</u> at International Boundary near Scobey above West Fork, S. of Scobey at Poplar	1974-1977		1975-1978 1975-1978 1973-1977 1977	1976-1977 1975-1977 1976-1977 1975-1977	1973-1977 1973-1977	
<u>West Poplar River:</u> at International Boundary near Bredette			1977 1975-1977	1976-1977 1976-1977		

WQB Water Quality Branch, Fisheries and Environment Canada
SWPCB Saskatchewan Environment, Water Pollution Control Branch
MWQB Montana State Health Department, Water Quality Bureau
USGS United States Geological Survey
SEC Saskmont Engineering Company
BH Beckie Hydrogeologists Ltd.

Discharge data for Canada were obtained from the Water Survey of Canada, Fisheries and Environment Canada, while those for the United States were provided by the USGS. Daily mean discharge measurements were extracted for water quality sampling dates wherever a continuous record was available.

B. Comparability of Data from Different Agencies

The Committee examined the procedures used by the various agencies to sample and analyze for water quality. Since most of the data was collected during the past three to four years, analyses were generally performed using modern instrumentation and using rigorous laboratory quality control. Each laboratory used standard analytical techniques having well-defined limits of error. Details of the actual procedures used are available from the individual laboratories.

For each parameter reported, the Committee reviewed the analytical method and the numerical values to establish comparability. In some cases, the Committee culled questionable data from the data bank. This was required in the case of some bacteriological data where one laboratory used an "optimum growth" procedure which differed considerably from other agencies. Certain samples for heavy metal analyses were not preserved and being suspect were removed from the data file. Some boron analyses were subject to sodium interference and were deleted.

To further ensure comparability among results from the different laboratories, several changes in the units and species reported were required. In the cases of nitrogen and phosphorus measurements, the USGS values reported as mg/l of NO_3 and PO_4 were converted to equivalent weights of N and P for consistency with other agencies' data. It was determined that Montana's "total recoverable" was equivalent to Fisheries and Environment Canada's "extractable" metal values, but that these measurements should not be combined with "total" or "dissolved" species. It was noted that different methodology between laboratories could cause confusion in the values reported for total dissolved solids. While each agency reported results in a consistent manner, slightly different methods produced incomparable values. Accordingly, a calculated value based on the sum of constituent major ion concentrations was computed wherever there was sufficient information for the sample. The equation used for the data presented in this report is:

$$\begin{array}{l} \text{TDS (Calculated)} = \text{Na} + \text{K} + \text{Ca} + \text{Mg} + \text{SO}_4 + \text{Cl} + 0.6 \\ \text{(Total Alkalinity)} \end{array}$$

Ionic concentrations are in mg/l and alkalinity is expressed as CaCO_3 .

Values calculated in this way approximate those reported from the gravimetric procedure and are truly comparable.

C. Data Handling

The information needs of the Poplar River study required all available quality data to be assembled in a common data file. The Fisheries and Environment Canada NAQUADAT storage/retrieval system was used as a repository and to analyze and report these data.

All data were coded, key-punched and stored in the data file. Each analytical parameter was assigned a code reflecting the analytical procedure used to determine the result. If the different methods were considered to yield equally valid and comparable results, the data were combined. Similarly, each agency was assigned a code to identify its samples but even though, data from the six agencies were combined.

D. Water Quality Summaries

NAQUADAT routines were used with the water quality data file to retrieve data and perform calculations throughout the study. The majority of these print-outs were used as working copies and for validation and screening purposes. Several comprehensive tabulations of historical data were produced, however, and are designated as Annexes. These are:

1. A dictionary of the analytical method codes used in this study (Annex A).
2. A complete summary of all the parameters on file at each of the fourteen master stations (Annex B).
3. Monthly and seasonal summaries of parameters at each station where there are sufficient data (Annex C).

In these reports of the historical data, the values for each parameter are summarized statistically. The lowest and highest values measured are given together with the arithmetic average and standard deviation. In addition, the parameter values are given which correspond to the 10th, 25th, 50th, 75th and 90th percentiles. These Annexes may be obtained from any IPRWQB member, Surface Water Quality Committee member, or the Chairmen of any other IPRWQB Committee.

Although the period of record is not extensive, limited measurements have been performed for a wide variety of parameters. For example, several analyses of herbicides and polychlorinated biphenyls have been carried out for selected samples. Table II-2 lists the parameters which occur in Annex B. Further, this Annex gives an overview of the sampling activity in the basin and provides a historical range of values. The monthly and seasonal summaries, however, provide useful comparisons during periods of similar temperature and flow conditions.

Table II-2. Water Quality Parameters Summarized in the Annexes
Water Quality Committee's Report

<u>Physical/Chemical Parameters</u>		
Alkalinity	Discharge	Phosphorus
Aluminium	Flouride	Polychlorinated
Ammonia	Hardness	biphenyls
Arsenic	Herbicide	Potassium
Barium	Inorganic carbon	Residue, filterable
Bicarbonate	Iron	Residue, nonfilterable
Boron	Lead	Selenium
Bromide	Magnesium	Silica
Cadmium	Manganese	Silver
Calcium	Mercury	Sodium
Carbonate	Molybdenum	Specific conductivity
Chloride	Nickel	Strontium
Chromium	Nitrogen	Sulphate
Cobalt	Organic carbon	Temperature
Colour	Oxygen	Total dissolved solids
Copper	pH	Turbidity
Cyanide	Phenols	Vanadium
		Zinc
<u>Biological Parameters</u>		
Total coliforms	fecal coliforms	fecal Streptococci
Chlorophyll-a		

III. EXISTING WATER QUALITY AND INFLUENCING FACTORS

A. Introduction

To assess the impact of the project on the Basin water quality, the existing or baseline water quality and its influencing factors must be documented. That is the purpose of the following descriptions.

The water quality data base for the Poplar Basin is not extensive. Other than a few pieces of data collected in the 1950's-60's, water quality data are available only for the 1973-1977 period with most of that data being collected after 1975. Fortunately however, in that period there were two high flow years - 1975 and 1976 - as well as two low flow years - 1973 and 1977 - and therefore, the available water quality data are reasonably representative. Unfortunately Fife Lake, which is brackish, overflowed into the East Poplar River for a undetermined period of time during the spring and summer in both 1975 and 1976. This overflow is rare and has been estimated to occur about once very 25 years. Inclusion of two years data with a Fife Lake overflow biases the four years data base. This bias was removed from the model used to predict future water quality.

Because of the few years for which data are available, inherent biases, and natural variations in water quality, characterization of natural water quality should be regarded as approximations rather than absolutes. Emphasis must therefore be placed on the statistic which best approximates normal conditions.

In this report the median parameter values are used to illustrate the typical or normal water quality which occurs in the Poplar Basin. A median is the middle value in a set of data arranged according to size. In other words half the values are greater and half less than the median. Mean values are not discussed because they are subject to distortion by anomalous extremes frequently encountered in water quality data.

In the data set there were some values which appeared unrealistically high or low but documentation was insufficient to determine the validity of these data. It was felt that questionable data would appear in the extreme low and high ends of the data set. Thus, it was decided to present the 10th and 90th percentile of the data set rather than historical maximums and minimums. A 90th percentile is the datum which in a set of data arranged according to size is situated so that 90% of the values be below or 10% of the values be above that datum. Conversely, with a 10th percentile, 10% of the values would be below and 90% of the values would be above the datum.

These percentiles can be calculated only where 10 or more pieces of data are available. Where less than 10 pieces of data are available historical highs and lows are used to show maximums and minimums but less confidence should be assigned to these extremes than to the 90th and 10th percentiles.

The tables in this section provide a summary of the important water quality parameters for the period of record and also for each season. Seasons are defined as follows: Spring - March through May; Summer - June through August; Autumn - September through November; and Winter - December through February. All parameters summarized for these periods as well as for each month are available in Annexes B and C, and a users manual to interpret these Annexes is available as Annex A. Detailed printouts showing individual values are available on request.

In this report, boron is considered significant because it is abundant in the waters of the Poplar River Basin. Major ions usually refer to calcium, sodium, magnesium, potassium, sulphate, bicarbonates, carbonates, and chlorides.

B. East Poplar River

1. At International Boundary Before Closing of Morrison Dam (December 1975)

a. Dissolved Oxygen and Temperature

Prior to the closure of Morrison Dam late in 1975, fourteen dissolved oxygen and twenty-three temperature measurements are available. All samples were collected during the daylight period.

Normally dissolved oxygen levels are functions of the water temperature, biomass activity including photosynthesis, opportunity for reaeration, flow rates, and the source of water (i.e., groundwater discharge).

On a seasonal basis, Table III-1 illustrates recorded D.O. and temperature values.

Table III-1. Seasonal Oxygen/Temperature Summary of the East Poplar River at International Boundary Prior to Closing of Morrison Dam

Season	Dissolved Oxygen mg/l (% Saturation)			Temperature °C		
	<u>Min.</u>	<u>Max.</u>	<u>Median</u>	<u>Min.</u>	<u>Max.</u>	<u>Median</u>
Spring	4.4 (33)	10.2 (102)	7.8	0.5	12	0.6
Summer	5.2 (68)	11.0 (110)	9.1	16	24.5	22.0
Autumn	10.2 (104)	12.0 (94)	11.4	1.5	17.5	11.2
Winter	6.0 (45)	6.6 (50)	6.3	0.5	1.5	0.5

b. Total Dissolved Solids

Trends of total dissolved solids can be best demonstrated by a seasonal review. As shown by Table III-2 concentrations varied with the season and had a tendency to increase with decreasing flow rates.

Table III-2. Total Dissolved Solids in the East Poplar River at International Boundary Prior to Dam Closure

	SEASON			
	Spring	Summer	Autumn	Winter
No. of Samples	40	27	23	13
Median TDS, mg/l	445	775	924	942
10th Percentile TDS, mg/l	135	612	794	758
90th Percentile TDS, mg/l	870	1488	1167	1132
Median Mean Daily Flow, cfs	19.5	6	3.4	0.7

c. Major Ions and Boron

Table III-3 shows the seasonal values for the major ions of HCO_3^- , Cl^- , $\text{SO}_4^{=}$, Ca^{++} , Mg^{++} and Na^+ . The predominant anions and cations are bicarbonate and sodium respectively, followed by sulphate and magnesium. Little chloride appears to have been present. In terms of seasonal changes, the anion proportions were relatively constant while during the spring cation ratios were modified with increased calcium at the expense of sodium.

Typical ranges of ionic percentages (using milliequivalents/litre) were:

Sodium	38-54	Bicarbonate	65-69
Calcium	13-27	Sulphate	27-32
Magnesium	25-31	Chloride	<1-1

Little data are available for boron. Seasonal median boron values (and number of samples) were: Spring - 1.05 mg/l (4); Summer - 2.75 mg/l (4); Autumn - 2.04 mg/l (7); and Winter - 2.30 mg/l (3).

Table III-3. Major Ions in the East Poplar River at International Boundary Prior to Dam Closure (Concentrations in mg/l for Ions)

Constituent	Spring				Summer				Autumn				Winter			
	Samples	Median	10%	90%	Samples	Median	10%	90%	Samples	Median	10%	90%	Samples	Median	10%	90%
Bicarbonate	41	360	129	590	28	573	483	875	23	645	585	755	13	715	653	833
Chloride	42	1.7	0.4	7.0	29	3.7	0.6	16	23	4.7	0.1	10.3	13	4.4	3.5	6.3
Sulphate	40	123	25	219	27	244	145	540	23	250	194	330	13	258	185	310
Calcium	42	43	18	90	28	37	26	49	23	48	32	74	13	81	68	94
Magnesium	42	30	10	53	29	52	38	63	23	50	43	56	13	50	41	55
Sodium	41	69	19	144	29	173	110	451	23	204	159	290	13	185	155	275
SAR	41	1.97	0.82	3.32	29	4.54	2.96	11.7	23	4.60	3.73	6.73	13	4.01	3.44	6.06
pH (units)	42	8.0	7.5	8.4	29	8.6	8.3	8.9	23	8.3	7.9	8.5	13	7.6	7.4	7.7

d. Nutrients

The data base for the macronutrients, carbon, nitrogen, and phosphorus is variable mainly due to differing analytical techniques. For example, five forms of nitrogen were periodically measured by the various submitters.

A summary of seasonal concentrations for nitrogen and phosphorus is shown in Table III-4.

Table III-4. Nutrient Concentrations (mg/l) in the East Poplar River at International Boundary Prior to Dam Closure

Constituent	Spring				Summer				Autumn				Winter			
	Samples	Median	10%	90%	Samples	Median	10%	90%	Samples	Median	10%	90%	Samples	Median	10%	90%
Total Phosphorus	40	0.12	0.03	0.28	29	0.13	0.03	0.33	23	0.04	0.01	0.18	13	0.01	0.01	0.02
Total Nitrogen	4	1.30			8	1.67			8	1.25			3	1.10		
NO ₃ , NO ₂ Nitrogen	36	0.14	0.09	0.26	29	0.06	0.01	0.13	24	0.04	0.01	0.11	13	0.1	0.01	0.17

2. After Closing of Morrison Dam

a. Cookson Reservoir

i. Dissolved Oxygen and Temperature

For the period of available record, March 1976 through December 1977, a seasonal dissolved oxygen/temperature summary is presented in Table III-5.

Table III-5. Seasonal Dissolved Oxygen/Temperature Summary of Cookson Reservoir

Season	Dissolved Oxygen mg/l (% Saturation)				Temperature °C			
	Samples	Min.	Max.	Median	Samples	Min.	Max.	Median
Spring	1		25.8 (218)		4	4.5	18.5	10.5
Summer	2	7.6 (79)	8.1 (89)		7	13	24	19
Autumn	2	9.5 (100)	10.9 (98)		8	2.7	19.5	8.3
Winter	1		13.1 (103)		3	0.1	2	0.5

No information is available to determine the reason for the highly supersaturated oxygen level measured in March of 1977.

During 1978, dissolved oxygen and temperature profiles were determined at each end (upper and lower) of the reservoir during the months of January, February, March, May, June, July and August. The profiles (Figure III-1), show low oxygen levels near the bottom during ice cover, but in May the dissolved oxygen concentrations were generally uniform and slightly in excess of calculated saturation values.

ii. Total Dissolved Solids, Major Ions and Nutrients

For the short period of record, the following seasonal median total dissolved solids levels were observed

	<u>Samples</u>	<u>Median TDS, mg/l</u>
Spring	14	795
Summer	15	976
Autumn	8	1044
Winter	7	1132

Over the January 1976 - December 1977 period, the TDS trend in relation to reservoir stages is shown on Figure III-2.

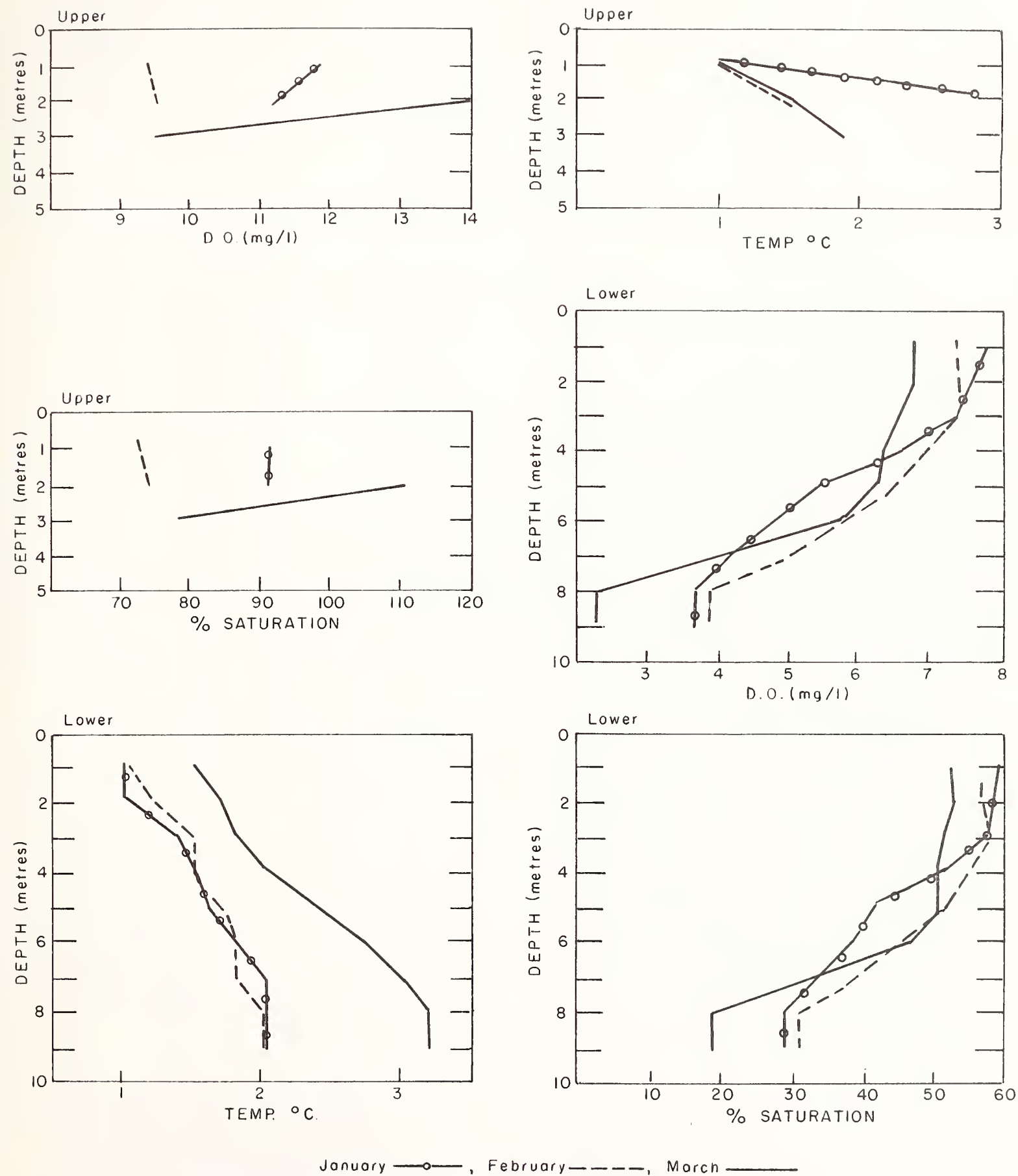
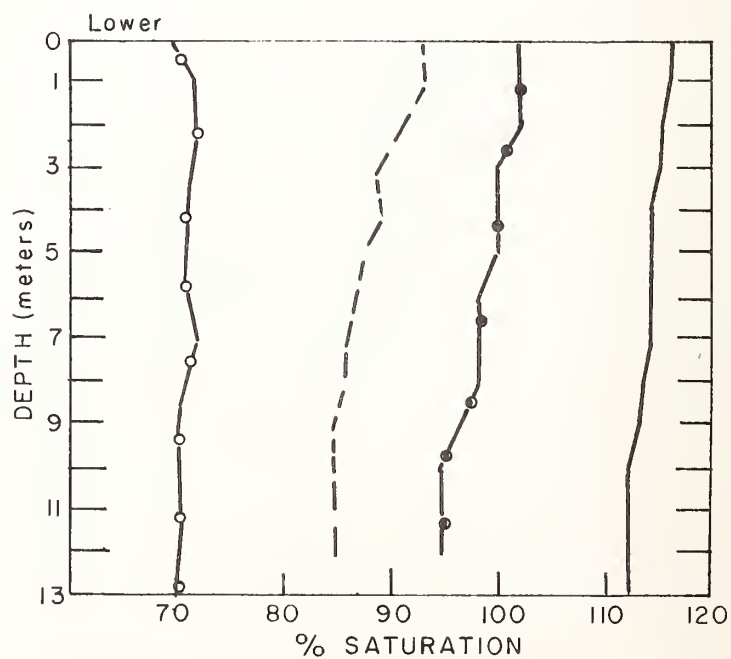
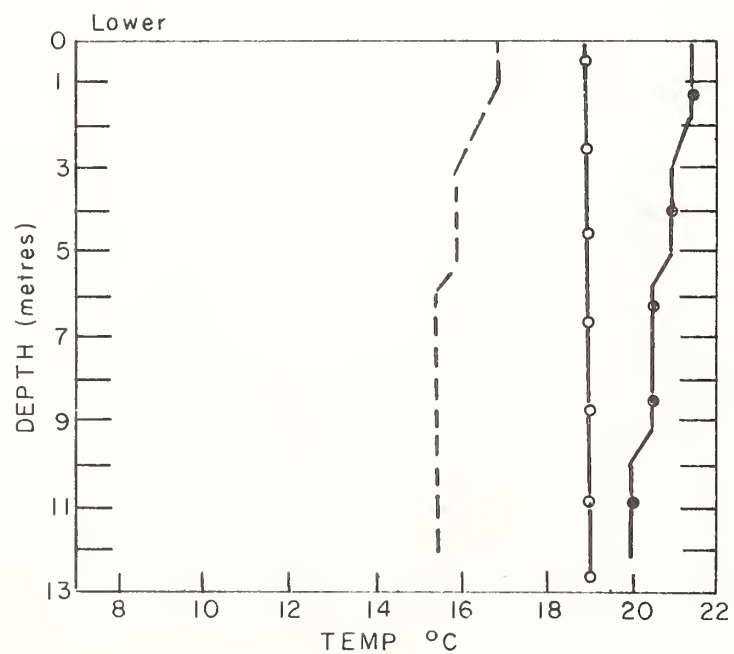
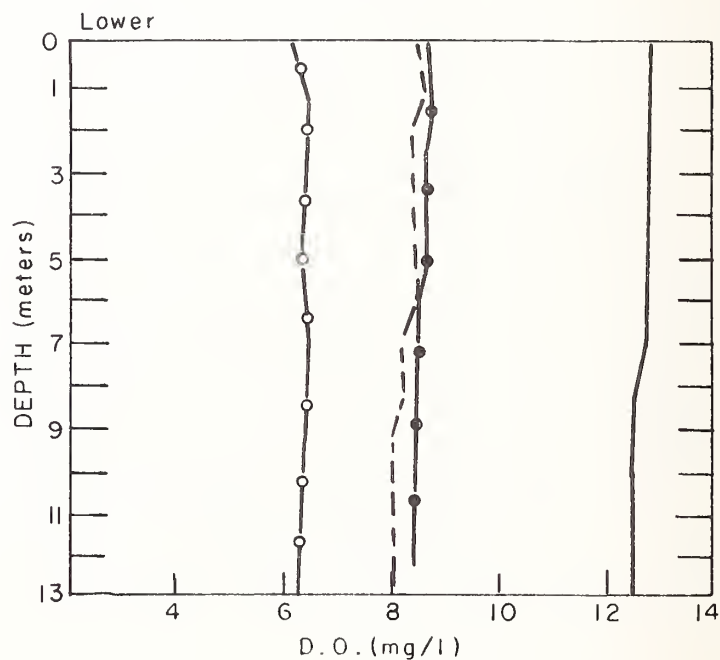
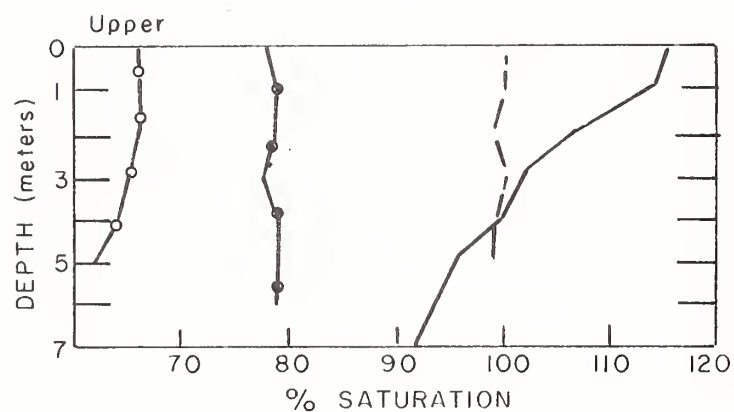
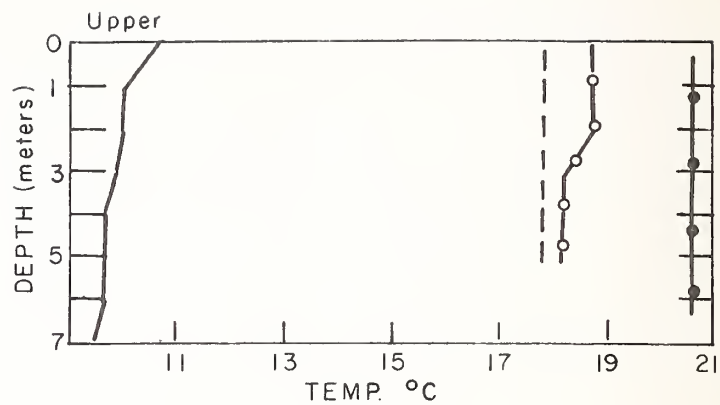
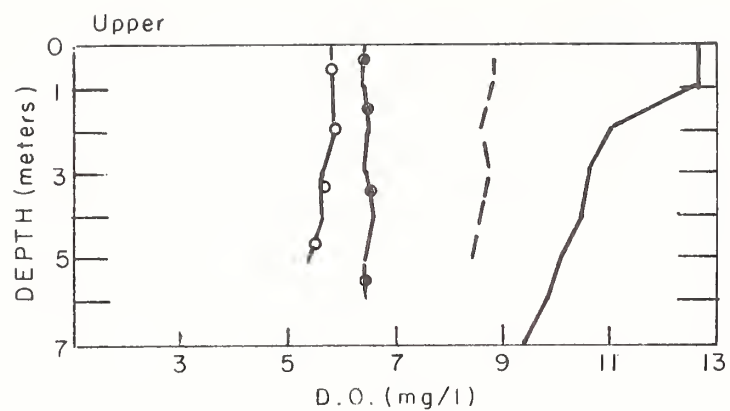


Figure III-1a. Spatial and Temporal Variations in Dissolved Oxygen and Temperature in Cookson Reservoir during January, February and March 1978



May ———, June - - - - , July —●— , August —○—

Figure III-1b. Spatial and Temporal Variation in Dissolved Oxygen and Temperature in Cookson Reservoir during May, June, July and August 1978

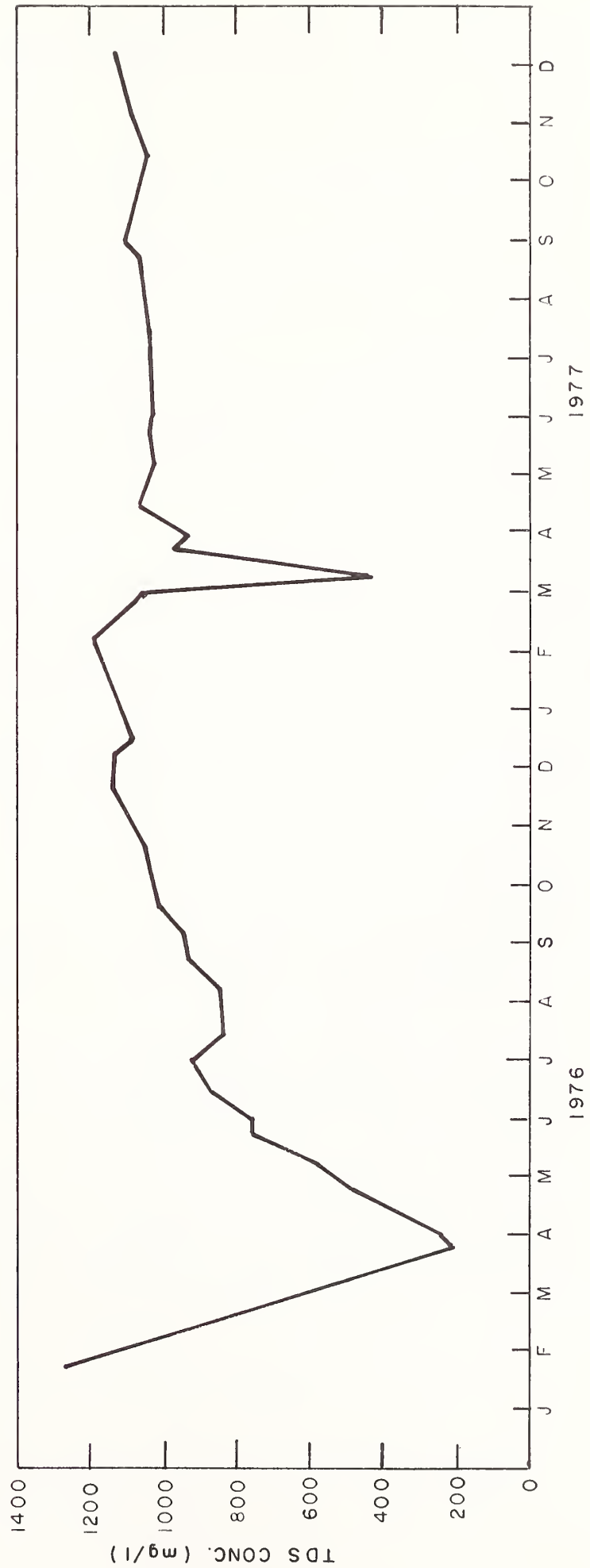
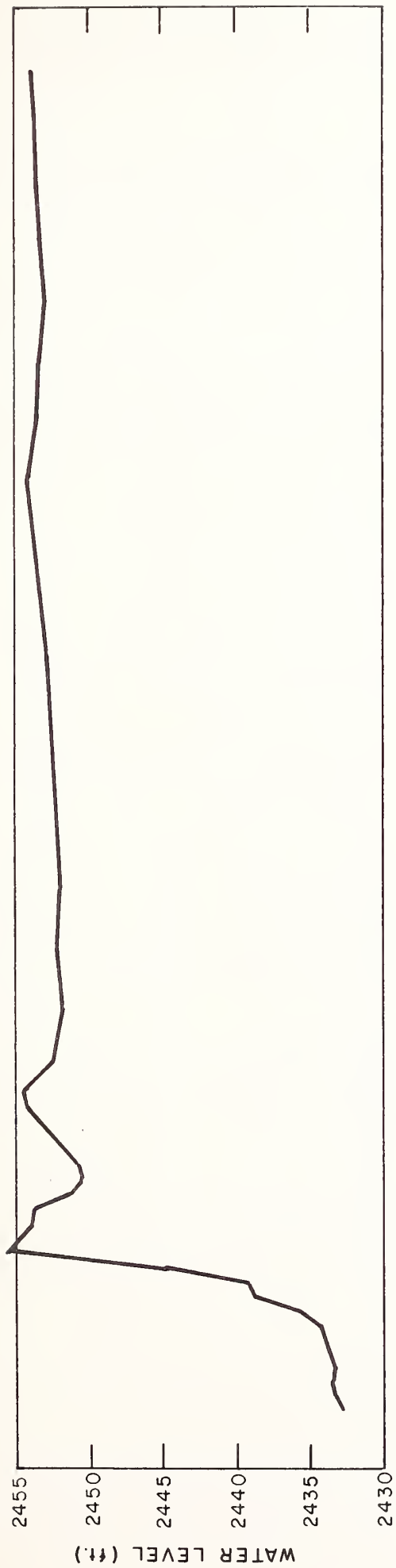


Figure III-2. Relation Between TDS and Water Levels in Cookson Reservoir

The major anions and cations are summarized by seasonal concentrations in Table III-6. The water tended to have a fairly high pH throughout the year.

Sodium and bicarbonate were the predominant cation and anion respectively. Seasonal fluctuations in ionic ratios were relatively small.

Table III-6. Major Ion Concentrations (mg/l) in Cookson Reservoir - January, 1976 - December, 1977.

Constituent	Spring				Summer				Autumn				Winter			
	Samples	Median	10%	90%	Samples	Median	10%	90%	Samples	Median	10%	90%	Samples	Median	10%	90%
Bicarbonate	14	550	149	680	15	647	465	698	9	691			7	752		
Chloride	14	8.5	3.3	12.3	16	11.3	9.4	12.4	9	10			7	11		
Sulphate	13	200	57	335	14	303	258	314	9	315			7	360		
Calcium	14	26	18	44	16	35	26	46	9	42			7	41		
Magnesium	14	45	12	52	15	50	33	54	9	53			7	56		
Sodium	14	191	42	268	16	236	189	276	9	270			8	280		
SAR	14	5.37	1.94	7.18	16	6.16	5.22	6.56	9	6.34			7	6.63		
pH (units)	14	8.4	7.5	8.7	16	8.5	8.3	8.6	10	8.7	8.4	8.8	7	8.4		

Based on milliequivalents/litre typical ionic percentage ranges were:

Sodium	60-64	Bicarbonate	56-68
Calcium	9-11	Sulphate	30-39
Magnesium	23-27	Chloride	2

On a seasonal basis, median boron concentrations did not vary significantly. Values (and number of samples) were: Spring - 1.88 mg/l (8); Summer - 2.00 mg/l (8); Autumn - 2.04 mg/l (6); and Winter - 2.15 mg/l (3).

As shown in Table III-7 the seasonal distribution of nutrients suggests a significant increase in total phosphorous during the open water season. Presumably, this is related to uptake from the soil during the reservoir filling period.

Table III-7. Nitrogen and Phosphorus Concentrations (mg/l) in Cookson Reservoir January, 1976 - December, 1977.

Constituent	Spring				Summer				Autumn				Winter			
	Samples	Median	10%	90%	Samples	Median	10%	90%	Samples	Median	10%	90%	Samples	Median	10%	90%
Total Phosphorus	13	0.14	0.07	0.31	16	0.28	0.10	0.33	9	0.23			7	0.16		
Total Nitrogen	9	1.06			7	1.51			8	1.93			6	1.72		
NO ₃ ⁻ , NO ₂ ⁻ Nitrogen	11	0.05	0.03	0.15	15	0.14	0.02	0.45	9	0.27			7	0.16		

b. International Boundary

i. Dissolved Oxygen and Temperature

Utilizing data obtained during the period January of 1976 to March of 1978, the seasonal dissolved oxygen/temperature values are summarized in Table III-8.

Table III-8. Seasonal Dissolved Oxygen/Temperature Summary of the East Poplar River at International Boundary After Dam Closure

Season	Dissolved Oxygen mg/l (% Saturation)				Temperature °C			
	Samples	Min.	Max.	Median	Samples	Min.	Max.	Median
Spring	8	4.4 (34)	13.2 (110)	8.9	15	0	21.5	3.0
Summer	8	5.0 (82)	10.4 (108)	7.8	14	13.5	23.0	19.3
Autumn	8	8.0 (82)	12.9 (104)	10.5	11	2.0	14.8	8.0
Winter	7	0.8 (6)	7.2 (55)	4.4	12	0	2.0	0.5

ii. Total Dissolved Solids, Major Ions and Nutrients

Following closure of Morrison Dam, the median TDS in the East Poplar River during the spring increased over the pre-closure period, probably reflecting the reduction of snowmelt dilution. The seasonal summaries are listed in Table III-9.

Table III-9. Total Dissolved Solids in the East Poplar River at International Boundary Following Closure of Morrison Dam

	SEASON			
	Spring	Summer	Autumn	Winter
No. of Samples	18	19	13	16
Median TDS, mg/l	836	876	924	907
10th Percentile TDS, mg/l	471	791	871	881
90th Percentile TDS, mg/l	940	1051	989	1031
Median Mean Daily Flow, cfs	8.2	14.5	2.6	1

Autumn and winter values tended to be similar to those measured during the 1973-1975 period due to groundwater flows.

Except for the spring period, levels of major ions tended to approximate preclosure values. During the spring, sodium, bicarbonate and sulphate concentrations were elevated over natural levels. The seasonal values are summarized in Table III-10.

Table III-10. Major Ion Concentrations (mg/l) in the East Poplar River at International Boundary After Closure of Morrison Dam

Constituent	Spring				Summer				Autumn				Winter			
	Samples	Median	10%	90%	Samples	Median	10%	90%	Samples	Median	10%	90%	Samples	Median	10%	90%
Bicarbonate	25	565	161	665	19	573	500	690	13	645	587	695	16	688	630	781
Chloride	24	5.0	2.4	8.2	20	8.0	5.0	12.2	13	6.3	5	8	17	5	4.5	6.7
Sulphate	19	225	158	300	19	265	240	365	13	270	240	308	17	240	218	260
Calcium	23	47	19	73	20	35	28	50	13	58	31	73	17	72	57	85
Magnesium	25	41	10	51	20	43	36	55	13	50	46	59	17	45	36	54
Sodium	20	188	132	215	21	211	193	260	13	214	190	235	18	191	188	240
SAR	20	4.52	3.90	5.24	20	5.75	4.73	6.88	13	4.95	4.35	5.93	17	4.80	4.07	5.73
pH (units)	24	8.0	7.3	8.3	19	8.3	7.9	8.9	12	8.3	8.0	8.4	16	7.4	7.1	7.6

Ratios of the major ions were fairly constant although in the winter the percentage of calcium increased while sodium decreased slightly. Based on milliequivalents/litre, typical ionic percentage ranges were:

Sodium	53-61	Bicarbonate	62-69
Calcium	12-23	Sulphate	30-37
Magnesium	23-25	Chloride	1

Following dam closure median seasonal boron levels, as shown below, exhibited a small decline from previous values. Median values (and number of sample) were: Spring - 1.26 mg/l (26); Summer - 1.97 mg/l (14); Autumn - 1.95 mg/l (10); and Winter - 1.80 mg/l (15).

In the 65 samples collected over the period there was little deviation from a level slightly less than 2 mg/l.

The major nutrient trends for the four seasons were similar to those measured prior to dam closure (Table III-11).

Table III-11. Nitrogen and Phosphorus Concentrations (mg/l) in the East Poplar River at International Boundary After Closure of Morrison Dam

Constituent	Spring				Summer				Autumn				Winter			
	Samples	Median	10%	90%	Samples	Median	10%	90%	Samples	Median	10%	90%	Samples	Median	10%	90%
Total Phosphorus	25	0.066	0.02	0.31	24	0.185	0.06	0.31	13	0.04	0.02	0.13	17	0.02	0.003	0.08
Total Nitrogen	17	0.81	0.37	3.50	14	1.03	0.37	1.70	10	0.97	0.43	1.49	15	1.27	0.81	1.94
NO ₃ , NO ₂ Nitrogen	23	0.11	.01	0.5	21	0.05	.02	0.36	12	0.10	0.01	0.25	16	0.10	0.04	0.31

C. West Poplar River

1. At International Boundary

a. Major Ions and Total Dissolved Solids

The quality of water in the West Poplar River at the International Boundary with respect to major ions and other selected parameters is summarized in Table III-12.

The dominant ions are sodium and bicarbonate but there are significant amounts of calcium, magnesium and sulphate ions. The arid nature of the Basin is shown by the high concentration of sodium and the presence of relatively high quantities of bicarbonate, carbonates and boron.

The concentration of TDS varies with season (Table III-13) generally being lower during the spring season. In winter when cold conditions preclude surface drainage, flow in the river originates from groundwater which is usually high in TDS, and as a result the median TDS rises to 1220 mg/l. In spring, snowmelt comprises the largest portion of the flow and median TDS falls to 632 mg/l. Summer and autumn TDS are between the two extremes. Autumn median TDS values (876 mg/l) are lower than those of summer (934 mg/l) because summer evaporation concentrates stream TDS and autumn precipitation provides dilution.

The component ions of TDS appear to follow the same pattern in spring and winter as do TDS and for the same reason. However, the data are insufficient to assess any seasonal changes in the relative abundance of the ions.

Boron in the West Poplar River exhibits a median of about 1.1 mg/l in all seasons except spring when it falls to 0.5 mg/l.

b. Nutrients

Total phosphorus ranges between a median concentration of 0.08 mg/l in the spring and winter and 0.04 mg/l in the autumn. These small differences are not considered significant with the limited data base. Total nitrogen varies between 1.0 mg/l in spring and winter and 1.8 mg/l in summer. Again the significance of these differences is questionable.

c. Dissolved Oxygen, pH, and Physical Parameters

Lowest dissolved oxygen values (2.6 mg/l median) occur in the winter when ice cover prevents the atmosphere from replacing the dissolved oxygen utilized by organic decay and low flows restrict the supply of dissolved oxygen. At the other seasons of the year dissolved oxygen levels are generally in excess of 6 mg/l and are approximately 80% of saturation.

Temperature varies from 0⁰ during winter to 22⁰C during summer. This wide range of water temperatures is a result of the wide range of air temperatures common in the area and the small water volume.

The stream is alkaline with the pH ranging between a low of 7.2 in the spring and a high of 9.9 in the summer. These values are a reflection of the alkaline nature of the soil in the Basin. Highest values in the summer probably result from evaporation concentrating the alkaline salts present in the water and aquatic vegetation activities shifting the bicarbonate buffer system to the alkaline side.

Highest turbidity values have been observed in summer and autumn when the median value reaches 10 JTU's. This is contrary to most rivers which reach their highest values in spring due to snowmelt carrying greater amounts of sediment into the stream. In the West Poplar River higher summer and autumn turbidity values could be due to algal abundance.

Since water quality in the West Poplar River varies with seasons, generally for the reason that stream flow varies with season, documentation of the range of the River's water quality requires that samples be taken at a wide range of flows. However, Table III-12 shows that the highest flow sampled was 3 cfs while Water Survey of Canada (1977) shows that flows greater than 3 cfs regularly occur in the spring. Since the flows in the West Poplar River are generally less than 3 cfs, the data in Tables III-12 and III-13 can be considered representative of average conditions. However, because high flows are not represented in the sampling periods, it must be concluded that the lowest concentrations of TDS and its component ions are less than shown as the 10th percentile in Table III-12 and as the minimum during the spring season in Table III-13.

2. Near Bredette, Montana

a. Major Ions and Total Dissolved Solids

Water quality in the West Poplar River near Bredette, Montana is summarized for the period of record in Table III-14 while seasonal concentrations are shown in Table III-15. Sodium is the dominant cation with calcium and magnesium being about one-tenth and one-fifteenth as abundant respectively. Bicarbonate the major anion is more abundant than sulphate by a factor of about four.

As with the upstream station at the International Boundary, TDS concentrations are lowest during the spring run-off and highest in winter when the stream flow is maintained by groundwater. However, except for spring, the differences in TDS between seasons is not as great as the upstream station.

The concentrations of the individual ions follow the same pattern as TDS, but the data are too few for a meaningful assessment. However, it appears that the increase in TDS during low water seasons is due mainly to an increase in the abundance of sodium and bicarbonate.

Boron exhibits a median of about 0.5 mg/l, but appears to almost double in the winter months.

The data are too few to adequately compare this station with that at the International Boundary, but the concentrations of major ions appear similar except during winter when the waters at upstream stations are more mineralized.

Table III-12. Summary of Water Quality for the West Poplar River
at International Boundary

Parameter ¹	Number of Samples	10%	Median	90%
Temperature (°C)	17	0	10	22
Turbidity (JTU)	15	7.6	8	25
pH (units)	17	7.4	8.5	9.7
Dissolved oxygen	15	2.6	6.8	10.6
Dissolved oxygen (% saturation)	15	20	81	99
Total dissolved solids	15	632	896	1220
Sodium	18	105	290	360
Potassium	17	7.1	9.2	12
Calcium	17	12	20	52
Magnesium	17	15	26	46
Hardness as CaCO ₃	17	112	151	302
Sodium Adsorption Ratio	17	4.1	9.3	12.4
Bicarbonate	17	313	610	1040
Carbonate	13	0	6	47
Chloride	17	3	6	8
Sulphate	17	90	190	300
Total nitrogen	16	0.85	1.55	1.91
Total phosphorus	16	0.03	0.06	0.09
Boron	18	0.48	1.1	1.3
Flow (cfs) ²	17	0.1	0.4	3

¹Concentration in mg/l except as noted

²Flow on days when water quality measurements were made

Table III-13. Seasonal Variations in Water Quality of the West Poplar River at International Boundary

	Season															
	Spring				Summer				Autumn				Winter			
	No. of Samples	Min.	Median	Max.	No. of Samples	Min.	Median	Max.	No. of Samples	Min.	Median	Max.	No. of Samples	Min.	Median	Max.
Parameter ¹																
Total dissolved solids	3	473	632	802	4	852	934	1095	5	856	876	1059	3	1197	1219	1308
Temperature (°C)	5	1	10.5	16.5	4	15.5	21.5	22	5	2.5	6.5	15.0	3	0	0	.5
Turbidity (JTU)	3	4	7	9	4	8	10	25	5	4	10	30	3	3	5	7
pH (units)	5	7.2	7.7	8.5	4	9.3	9.7	9.9	5	8.4	8.9	9.3	3	7.4	7.7	7.9
Dissolved oxygen	3	6.2	8.8	10.8	4	5.8	7.0	7.4	5	5.7	8.0	10.6	3	2.2	2.6	6.2
Sodium	5	95	140	240	5	270	302	360	5	280	290	320	3	340	340	370
Calcium	5	19	21	26	4	12	14	16	5	12	19	31	3	45	52	59
Magnesium	5	15	17	26	4	24	25.5	32	5	23	26	36	3	41	46	47
Hardness as CaCO ₃	5	110	123	170	4	140	140	160	5	120	150	230	3	300	300	340
Sodium adsorption ratio	5	3.9	5.8	8.0	4	9.9	11.0	12.4	5	9.1	10.0	12.7	3	8.0	8.5	9.3
Chloride	5	1	3	6	4	4	5.5	7	5	6	7	7	3	7	8	8
Sulphate	5	76	98	180	4	180	190	220	5	160	190	230	3	220	300	300
Total nitrogen	3	0.7	1.0	1.1	5	1.6	1.8	2.6	5	0.9	1.5	1.9	3	0.9	1.0	1.8
Total phosphorus	3	0.06	0.08	0.09	5	0.05	0.06	0.09	5	0.03	0.04	0.11	3	0.05	0.07	0.08
Boron dissolved	5	0.32	0.49	0.85	5	1.1	1.2	1.4	5	1.0	1.1	1.2	3	0.9	1.1	1.2

¹Concentrations in mg/l except as noted

Table III-14. Summary of Water Quality West Poplar River
near Bredette, Montana

Parameter ¹	No. of samples	10%	Median	90%
Temperature (°C)	22	0	10.8	23.5
Turbidity (JTU)	19	5	15.0	63
pH (units)	20	7.7	8.5	8.7
Dissolved Oxygen	18	7.2	9.5	12.2
Dissolved Oxygen (% saturation)	17	70	94	117
Total Dissolved Solids	17	547	760	872
Sodium	20	91	240	305
Potassium	19	3.8	4.2	7.9
Calcium	17	15	20	27
Magnesium	20	11.0	14.5	18.5
Hardness as CaCO ₃	20	88	105	140
Sodium Adsorption Ratio	20	4.0	9.4	13.4
Bicarbonate dissolved	20	274	570	666
Chloride	20	4.3	7.0	8.0
Sulphate	20	59	140	165
Total Nitrogen	20	0.24	0.59	0.97
Total Phosphorus	22	0.016	.065	0.210
Boron	20	0.22	0.54	0.74
Flow (cfs) ²	19	3	10	100

¹Concentration in mg/l except as noted

²Flow on days when water quality measurements were made

Table III-15. Seasonal Variations in Water Quality of the West Poplar River near Bredette, Montana

Parameter ¹	Season											
	Spring			Summer			Autumn			Winter		
	No. of Samples	Min.	Median	Max.	No. of Samples	Min.	Median	Max.	No. of Samples	Min.	Median	Max.
Total Dissolved Solids	3	547	636	716	5	379	775	872	6	685	760	805
Temperature (°C)	6	0	4.3	23.5	6	14.4	20.0	25.5	7	1	8.5	16
Turbidity (JTU)	5	4	7	63	5	15	50	100	6	6	15	50
pH (units)	6	7.4	8.4	8.6	5	8.5	8.6	8.7	6	8.3	8.7	8.7
Dissolved Oxygen	4	9.8	10.8	11.8	5	7.0	8.3	8.9	6	8.7	11.3	12.2
Sodium	6	70	189	240	5	100	270	310	6	220	255	280
Hardness as CaCO ₃	6	59	105	110	5	87	100	120	6	91	110	140
Sodium Adsorption Ratio	6	3.6	7.9	10	5	4.0	11.8	14.4	6	8.7	10.3	12.8
Chloride	6	2.7	5.5	6.4	5	4	7	8	6	6	7	8
Sulphate	6	43	115	150	5	54	150	180	6	120	140	150
Calcium	3	18	20	20	5	15	18	24	6	15	19	25
Total Nitrogen	4	0.16	0.33	2.71	6	0.48	0.71	0.98	7	0.21	0.36	0.60
Total Phosphorus	6	0.01	0.03	0.33	6	0.07	0.09	0.12	7	0.016	0.04	0.08
Boron	5	<.1	0.43	0.52	5	0.37	0.62	0.78	7	0.01	0.58	0.69

¹Concentrations in mg/l except as noted

b. Nutrients

Median values for total nitrogen range from 0.71 mg/l in the summer to 0.33 in the spring. Summer and winter concentrations appear to be higher than spring and autumn which appear about equal. Nitrogen at this station is about one-half as abundant as at the upstream station on the West Poplar River. Except for spring when total phosphorus occurs in the water at a concentration of about 0.30 mg/l, phosphorus in the West Poplar River generally occurs at a level of 0.1 mg/l or less. These concentrations appear to be in the same range as the station on the International Boundary.

c. Dissolved Oxygen, pH and Physical Parameters

The median level of dissolved oxygen measured at this station is 7.2 mg/l which is greater than the overall median (6.8 mg/l) for the station at the International Boundary. Dissolved oxygen concentrations at the Bredette station do not fall in winter to below 5 mg/l as is common at the upstream station. This is reflected in the median percent saturation for dissolved oxygen which is 94%. Water at this station should be relatively free of organic material and other oxygen demand substances.

Water temperature which ranges from 0°C in winter to 26°C in summer is reflective of the temperature extremes in the Basin.

The water is alkaline, as is the soil in the Basin, with a pH usually exceeding 8.0.

As at the upstream station, highest turbidities are found in summer. Again algal abundance is suspected to be the cause of this unusual observation.

Flows ranging between 3 and 100 cfs were sampled. This is probably representative of annual flows at this station. Therefore, the data from the Bredette station are considered to be more representative of water quality conditions in the West Poplar River than that from the upstream station at the International Boundary.

D. Poplar River

1. At the International Boundary

a. Dissolved Oxygen and Temperature

The dissolved oxygen ranged from 4.6 to 12 mg/l while the temperature ranged from 0 to 25°C. The available data is summarized in Table III-16.

Table III-16. Dissolved Oxygen and Temperature in the Poplar River at International Boundary

	Spring		Summer		Autumn		Winter	
	DO	Temp.	DO	Temp.	DO	Temp.	DO	Temp.
No. of Samples	3	7	5	11	6	11	2	4
Median	9.2	10.5	7.9	21	11.3	6	10.6	0.2
Minimum	7.2	0.5	4.6	12	9.6	1	10.4	0
Maximum	10.2	17	9.8	25	12.0	17	10.8	0.5

b. Total Dissolved Solids and Flow

Total dissolved solids (Table III-17) vary inversely with flow, and are highest in the autumn (median 698 mg/l) and lowest in the spring and summer.

Table III-17. Total Dissolved Solids (mg/l) and Flow (cfs) in the Poplar River at International Boundary

	Spring		Summer		Autumn		Winter	
	TDS	Flow	TDS	Flow	TDS	Flow	TDS	Flow
No. of Samples	6	5	10	7	10	11	3	2
Median	621	8.9	558	2	698	1.4	601	4
Minimum	505	7	439	0.3	458	0.1	573	2
Maximum	891	10	1125	190	1150	7.6	882	6

c. Major Ions and Boron

Predominant ions are sodium and bicarbonate but there are significant amounts of calcium, magnesium and sulphate. These ions are generally most abundant in the autumn and winter during periods of low flow.

Boron is least abundant during the spring and ranges from 0.5 to 1.9 mg/l (Table III-18).

d. Nutrients

Both total phosphorus and total nitrogen are highest during the summer. Nitrogen concentrations are generally above 0.35 mg/l. The ortho-phosphorus concentration is only 20% of total phosphorus concentrations for all data at this station. The total phosphorus concentrations are generally below 0.15 mg/l (Table III-19).

Table III-19. Nutrients (mg/l) in Poplar River at the International Boundary

	Spring		Summer		Autumn		Winter	
	Total P.	Total N.	Total P.	Total N.	Total P.	Total N.	Total P.	Total N.
No. of Samples	6	5	11	10	10	9	4	4
Median	0.018	0.46	0.060	0.87	0.035	0.38	0.020	0.51
Minimum ¹	<0.010	0.21	0.027	0.44	0.013	0.04	0.006	0.25
Maximum ¹	0.12	1.60	0.11	1.28	0.080	0.88	0.09	0.73

¹Where 10 or more samples were analyzed values shown are 10th and 90th percentiles.

2. Near Scobey

a. Dissolved Oxygen and Temperature

Dissolved oxygen concentrations and temperatures are very similar to the boundary station and are not unusual (Table III-20).

Table III-20. Dissolved Oxygen (mg/l) and Temperature (°C) in the Poplar River near Scobey

	Spring		Summer		Autumn		Winter	
	DO	Temp.	DO	Temp.	DO	Temp.	DO	Temp.
No. of Samples	3	6	5	8	6	8	3	3
Median	8.6	0.8	7.8	19.8	9.6	7	8.2	0
Minimum	8.0	0.0	5.0	18.0	6.2	0.0	8.0	0
Maximum	12.2	21	8.2	23.5	11.8	16	10.8	0.5

b. Total Dissolved Solids and Flow

Total dissolved solids are highest in the autumn (median 1001 mg/l) and winter (median 1239 mg/l) and are considerably higher than at the boundary station. The median flows are also higher except during the winter (Table III-21).

Table III-21. Total Dissolved Solids (mg/l) and Flow (cfs) in the Poplar River near Scobey

	Spring		Summer		Autumn		Winter	
	TDS	Flow	TDS	Flow	TDS	Flow	TDS	Flow
No. of Samples	4	6	7	7	8	8	4	3
Median	691	15	856	5	1001	6	1239	4
Minimum	445	6	222	2	894	2	908	3
Maximum	1378	40	1168	127	1147	8	1288	6

c. Major Ions and Boron

Major ions except calcium and magnesium generally are higher at the station than at the International Boundary (station 4). Predominant ions are sodium and bicarbonate (Table III-23). Sodium adsorption ratios are generally higher than at station 4. The total of all ions is lowest during the spring and generally highest during the winter. Boron concentrations are lowest during the spring and highest during the summer and autumn and are higher than at the International Boundary.

d. Nutrients

Total nitrogen is higher in summer and autumn than at the International Boundary and total phosphorus is higher during all seasons (Table III-22).

Table III-22. Nutrients (mg/l) in the Poplar River near Scobey

	Spring		Summer		Autumn		Winter	
	Total P	Total N	Total P	Total N	Total P	Total N	Total P	Total N
No. of Samples	4	3	7	7	6	5	3	3
Median	0.040	0.54	0.145	1.30	0.090	0.63	0.050	0.77
Minimum	0.010	0.53	0.120	1.21	0.040	0.03	0.040	0.26
Maximum	0.160	1.21	0.190	1.82	0.180	1.20	0.320	0.94

Table III-23. Major Ions (mg/l) in the Poplar River near Scobey

Parameter ¹	Spring			Summer			Autumn			Winter		
	Samples	Median	Min. Max.	Samples	Median	Min. Max.	Samples	Median	Min. Max.	Samples	Median	Min. Max.
Bicarbonate	6	442	305 585	7	633	197 767	8	685	609 767	4	923	613 953
Chloride	5	6	4 14	7	9	2 15	8	11.5	6 14	4	15	13 19
Sulphate	6	125	78 200	7	210	40 350	8	295	250 330	4	320	270 350
Calcium	5	39	36 48	7	30	25 48	8	37	26 50	4	60	39 69
Magnesium	6	33	13 44	7	42	12 47	8	41	37 50	4	53	37 58
Sodium	6	125	94 190	8	230	38 350	8	275	230 360	4	315	240 340
SAR	6	3.82	2.97 4.85	7	5.62	1.58 9.83	8	7.51	5.51 10.33	4	6.90	6.60 7.80
pH (units)	4	8.3	7.8 8.5	5	8.5	8.1 8.9	6	8.5	8.4 8.7	3	7.7	7.7 7.9
Boron	6	0.65	0.4 1.10	6	1.60	0.87 2.10	8	1.60	1.30 2.00	4	1.65	1.30 1.80

¹Concentrations in mg/l except as noted

3. Poplar River near Poplar

a. Dissolved Oxygen and Temperature

Minimum recorded dissolved oxygen concentrations is 6.6 mg/l. Maximum recorded temperature is 26°C (Table III-24).

Table III-24. Dissolved Oxygen (mg/l) and Temperature (°C) in the Poplar River near Poplar

	<u>Spring</u>		<u>Summer</u>		<u>Autumn</u>		<u>Winter</u>	
	<u>D0</u>	<u>Temp</u>	<u>D0</u>	<u>Temp</u>	<u>D0</u>	<u>Temp</u>	<u>D0</u>	<u>Temp</u>
No. of Samples	5	5	7	8	6	6	4	4
Median	9.4	11.0	7.3	21.0	9.4	13.8	12.2	0.0
Minimum	6.6	0.0	7.0	15.6	8.2	0.5	9.2	0.0
Maximum	12.6	21.0	8.4	26.0	12.8	19.5	13.2	0.0

b. Total Dissolved Solids

Total dissolved solids are highest in the winter when the median exceeds 1300 mg/l. Median flows are also lowest (100cfs) during this period. Median winter flows are a little larger at this station than upstream but during the other seasons the median flows are 3 to 12 times higher (Table III-25).

Table III-25. Total Dissolved Solids (mg/l) and Flow (cfs) in the Poplar River near Poplar

	<u>Spring</u>		<u>Summer</u>		<u>Autumn</u>		<u>Winter</u>	
	<u>TDS</u>	<u>Flow</u>	<u>TDS</u>	<u>Flow</u>	<u>TDS</u>	<u>Flow</u>	<u>TDS</u>	<u>Flow</u>
No. of Samples	5	5	7	6	6	6	4	3
Median	787	45	1002	53	1006	25	1357	10
Minimum	356	29	584	7	963	15	1223	7
Maximum	1000	444	1867	478	1480	35	1483	24

Table III-26. Major Ions (mg/l) in the Poplar River near Poplar

	<u>Spring</u>			<u>Summer</u>			<u>Autumn</u>			<u>Winter</u>		
Parameter ¹	Samples	Median	Min. Max.	Samples	Median	Min. Max.	Samples	Median	Min. Max.	Samples	Median	Min. Max.
Bicarbonate	5	439	270 561	7	585	442 657	6	613	570 670	4	772	710 806
Chloride	5	81	11 150	7	46	10 590	6	88	48 380	4	200	70 290
Sulphate	5	140	73 240	7	260	140 300	6	245	240 290	4	290	280 310
Calcium	5	28	26 35	7	28	23 31	6	27	26 31	4	59	45 74
Magnesium	5	23	16 32	7	38	26 45	6	35	34 37	4	52	45 56
Sodium	5	240	79 300	8	305	150 785	6	300	280 480	4	375	340 420
SAR	5	8.52	3.01 9.23	7	8.32	4.86 16.19	6	9.01	8.03 14.41	4	8.57	8.07 9.50
pH (units)	5	8.5	8.0 8.5	7	8.6	8.5 8.9	6	8.7	8.3 9.3	4	8.0	7.8 8.3
Boron	5	0.52	0.29 0.88	8	1.20	0.80 1.60	5	1.20	0.99 1.20	4	0.95	0.87 1.10

¹Concentrations in mg/l except as noted

c. Major Ions and Boron

Sodium and bicarbonate are the predominant ions (Table III-26). Sodium and chloride are relatively more abundant at this station than at upstream stations. Most ion concentrations are lowest during the spring run-off and higher during the winter low flow period. Boron concentrations are highest during the summer and autumn, but are lower than at the closest upstream station. This observation results from the major boron source being the East Poplar River and its high concentrations being diluted downstream.

d. Nutrients

Except for total phosphorus in the spring the median nutrient concentrations are all lower than at the nearest upstream station (Table III-27).

Table III-27. Nutrients (mg/l) in the Poplar River near Poplar

	Spring		Summer		Autumn		Winter	
	Total P	Total N	Total P	Total N	Total P	Total N	Total P.	Total N
No. of Samples	5	5	7	6	6	6	4	4
Median	0.080	0.66	0.064	1.04	0.040	0.59	0.015	0.52
Minimum	0.030	0.50	0.030	0.47	0.020	0.24	0.010	0.42
Maximum	0.14	1.90	0.130	1.43	0.050	1.11	0.020	0.76

E. Trace Elements and Other Parameters

1. Metals

a. Background Information

Although various forms of metals can be measured, metal data for the Poplar Basin exists for three forms: total, dissolved and extractable. These data may be found in Annexes B and C. However, only the dissolved and total forms are discussed.

Metals in the dissolved phase exist generally in the ionic state where, because they are readily assimilable by the biota, they can cause both acute and chronic toxicity problems. Metals can also exist in suspension attached to the suspended sediment particles or as part of the mineral matrix of the suspended sediment. Suspended metals

Table III-28. Metals in Waters of the East Poplar River at the International Boundary

Metal		No of Samples	Concentration in mg/l		
			90th ²	Median	10th
Aluminum	Dissolved	6	0.04	0.02	BDL
	Total	10	8	BDL ³	BDL
Chromium	Dissolved	5	0.01	BDL	BDL
	Total	9	0.01	0.01	BDL
Manganese	Dissolved	5	0.20	0.07	0.02
	Total	91	0.22	0.05	<0.01
Iron	Dissolved	33	0.12	0.04	0.02
	Total	93	0.8	0.4	0.12
Copper	Dissolved	5	0.005	0.001	BDL
	Total	63	0.02	BDL	BDL
Zinc	Dissolved	5	0.03	0.010	BDL
	Total	80	0.04	0.010	0.01
Arsenic	Dissolved	19	0.019	0.003	0.001
	Total	10	0.013	0.004	0.001
Cadmium	Dissolved	13	0.009	0.001	BDL
	Total	4	0.01	0.01	<0.01
Mercury ¹	Dissolved	5	BDL	BDL	BDL
	Total	45	0.15	<0.05	BDL
Lead	Dissolved	5	0.002	0.001	BDL
	Total	34	<0.05	0.020	<0.005

¹Mercury expressed as µg/l

²Where less than 10 pieces of data are available minimum and maximum are shown rather than 10th and 90th percentiles

³BDL = below detection limit

usually have little immediate toxic effect because they are relatively unreactive and not easily assimilated by the biota. However, chemical reactions may occur which dissolve some of the suspended metals. A measurement for total metals includes all the dissolved and suspended forms and as such describes the potential for water quality problems caused by undesirable high concentrations of metals.

b. East Poplar River and Cookson Reservoir

The metal data for the Poplar Basin are generally insufficient for an adequate assessment but data from the station on the East Poplar River at the International Boundary (Table III-28) permit a reasonable description of metals in the river.

At this station both dissolved and total forms of most metals occur only in trace amounts. Iron and manganese occur in significant levels in the dissolved phase and these two elements plus aluminum occur in relatively large concentrations in the total form. This is not surprising since these three elements comprise a relatively large percentage of soil elements and hence of suspended sediments.

In the relatively short period during which Cookson Reservoir has been filled only a few measurements for metals have been made (Table III-29).

Table III-29. Metals in the Waters of Cookson Reservoir

Metal	No of Samples	Concentration in mg/l ²		
		Max. ³	Median	Min. ³
Manganese Total	11	0.06	0.04	0.02
Iron Total	11	1.0	0.28	0.10
Copper Total	8	0.03	0.01	BDL ²
Zinc Total	8	0.105	0.010	0.004
Arsenic Dissolved	7	0.011	0.009	0.001
Cadmium Dissolved	4	0.004	0.003	BDL
Mercury ¹ Total	5	0.05	0.03	BDL
Lead Total	8	BDL	BDL	BDL

¹Mercury expressed in µg/l

²Below detection limit

³Manganese and iron presented as 90th and 10th percentiles

c. West Poplar River at International Boundary

At this station the data base for metals is small (Table III-30). Nevertheless there are sufficient data to indicate that only trace amounts of metals occur in the waters here.

Table III-30. Metals in the Waters of the West Poplar River at the International Boundary

Metal		No of Samples	Concentration in mg/l ₁		
			Max.	Median	Min.
Aluminium	Dissolved	5	0.05	0.02	BDL ²
	Total	1	BDL	-	BDL
Chromium	Dissolved	5	0.010	BDL	BDL
	Total	1	0.010	-	0.010
Manganese	Dissolved	5	0.06	0.01	BDL
	Total	1	BDL	-	BDL
Iron	Dissolved	15	0.48	0.10	0.03
	Total	3	0.310	0.180	0.160
Copper	Dissolved	5	0.001	0.001	BDL
Zinc	Dissolved	5	0.020	0.002	BDL
	Total	1	0.010	-	0.010
Arsenic	Dissolved	5	0.004	0.002	0.001
	Total	1	0.004	-	0.004
Cadmium	Dissolved	4	BDL	BDL	BDL
	Total	1	0.01	-	0.01
Mercury ¹	Dissolved	5	0.3	BDL	BDL
Lead	Dissolved	5	0.003	0.002	BDL

¹Mercury in µg/l

²below detection limit

Table III-31. Metals in the Waters of the Poplar River

Metal	Location											
	At International Boundary						Near Scooby					
	No. of Samples	Max. mg/l	Median mg/l	Min. mg/l	No. of Samples	Max. mg/l	Median mg/l	Min. mg/l	No. of Samples	Max. mg/l	Median mg/l	Min. mg/l
Aluminum												
Dissolved Total	6 2	0.01 1.0	BDL ² 1.0	BDL 1.0	6 2	0.02 1.0	0.02 1.0	BDL 1.0	1 5	0.02 BDL	- BDL	0.02 BDL
Manganese												
Dissolved Total	5 2	0.09 0.15	0.04 0.09	0.01 0.03	5 4	0.03 0.05	BDL 0.01	BDL BDL	11 3	0.06 0.09	0.01 0.06	BDL 0.04
Iron												
Dissolved Total	15 2	0.13 0.940	0.08 0.505	0.02 0.070	23 1	0.21 1.10	0.04 -	0.01 1.10	22 3	0.13 2.2	0.03 1.0	BDL 0.44
Copper												
Dissolved Total	5 1	0.002 0.01	BDL -	BDL 0.01	4 0	0.002 -	0.002 -	BDL -	10 2	0.009 0.01	0.003 0.01	BDL BDL
Zinc												
Dissolved Total	6 2	0.020 0.020	0.010 0.020	0.010 0.020	6 2	0.020 0.020	0.010 0.020	BDL 0.020	11 3	0.020 0.040	0.002 0.020	BDL 0.020
Arsenic												
Dissolved Total	12 1	0.003 0.004	0.001 -	BDL 0.004	7 2	1.50 0.007	0.005 -	0.001 0.007	11 3	0.006 0.003	0.002 0.002	0.001 0.001
Cadmium												
Dissolved Total	5 0	0.001 -	BDL -	BDL -	5 0	0.001 -	BDL -	BDL -	11 1	0.001 BDL	BDL -	BDL BDL
Mercury ¹												
Dissolved Total	6 1	0.8 BDL	BDL -	BDL BDL	7 1	1.4 0.1	BDL -	BDL 0.1	10 3	0.8 0.4	BDL BDL	BDL BDL
Lead												
Dissolved Total	5 0	0.002 -	0.001 -	BDL -	5 2	0.003 BDL	0.001 -	BDL BDL	11 1	0.005 0.003	0.001 -	BDL 0.003

¹Mercury in µg/l²Below detection limit

Table III-32. Effect of Closing Morrison Dam on the Total Metal Concentrations (mg/l) in the East Poplar River at the International Boundary

Metal	Period	Season											
		Spring			Summer			Autumn			Winter		
		No. of Samples	10th %	Median	90th %	No. of Samples	10th %	Median	90th %	No. of Samples	10th %	Median	90th %
Copper	Pre-Dam	30	BDL ¹	0.01	0.03	11	<0.01	<0.01	0.01	8	BDL	0.01	0.05
	Post-Dam	6	BDL	0.01	0.02	2	BDL	BDL	<0.01	0	-	-	-
Lead	Pre-Dam	17	<0.005	<0.02	0.03	4	<0.02	0.02	<0.05	0	-	-	-
	Post-Dam	7	<0.01	<0.01	<0.05	2	0.006	0.008	<0.01	0	-	-	-
Zinc	Pre-Dam	32	<0.01	0.02	0.04	17	<0.01	<0.01	0.03	14	<0.01	0.01	0.05
	Post-Dam	7	0.004	0.009	0.07	2	0.09	0.35	0.6	0	-	-	-
Manganese	Pre-Dam	33	<0.03	0.08	0.18	18	<0.01	0.02	0.0	15	<0.01	0.02	0.06
	Post-Dam	8	0.01	0.08	0.14	4	0.01	0.04	0.08	2	<0.01	0.01	0.01
Iron	Pre-Dam	33	0.15	0.43	0.8	19	<0.06	0.3	0.53	15	0.10	0.29	0.52
	Post-Dam	9	0.07	0.45	11	4	0.5	0.56	2.4	2	0.4	0.75	1.1

¹ Below detection limit

d. Poplar_River

The data which exist for metals in the Poplar River (Table III-31) are not sufficient for a definitive assessment. Most metals exist only in trace quantities. Iron and manganese exist in significant concentrations in both the dissolved and total forms. The values for dissolved mercury at all three stations are high but it is probable that these values result from sample contamination or other errors.

Since data are given for three stations there is a temptation to draw inferences from the exhibited spatial patterns. However the data are generally insufficient for this. Only in the case of dissolved iron where the trend appears to be one of declining concentrations with distance from the headwaters do the data permit conclusions about spatial patterns.

e. Effect_of_Closure_of_Morrison_Dam_on_Metal Concentrations_in_Waters_of_the_Poplar_River_Basin

The closing of Morrison Dam on the East Poplar River could influence the natural concentration of metals in waters of the Basin by altering the proportion of water in the streams which originates from groundwater (if the metal content of groundwater differs from that of surface water) by promoting the adsorption of dissolved metals onto suspended matter in the reservoir where they could precipitate along with metals entering the reservoir already attached to suspended solids, or by promoting the dissolution of metals from the soil at the bottom of the reservoir. Only at one location, East Poplar at International Boundary, is the data base sufficiently large to determine whether these effects occurred and even there the data base is not sufficiently great to be other than indicative.

Table III-32 indicates that the only apparent effects of dam closing may be an increased concentration of zinc in the summer, manganese in the winter and iron at all seasons. Since the concentration of metals in Cookson Reservoir (Table III-29) is similar to that in the East Poplar River (Table III-30), the increases in concentration of metals after dam closure are attributed to increasing proportions of groundwater in the East Poplar River at the International Boundary.

2. Coliform_Bacteria

a. Background_Information

Coliform bacteria are generally regarded as indicative of fecal contamination of waterbodies. These bacteria are not necessarily pathogenic but where they are present, pathogenic bacteria and virus originating with fecal material may also be present. Conversely when the bacteria are absent pathogenic organisms are also considered absent. Since fecal coliform bacteria generally do not reproduce outside the intestinal tract more reliance is placed on them as pollution indicators.

Bacteria measurements are imprecise. The variability associated with sampling and analyzing for them is great. Therefore, when comparing bacteriological data, emphasis is placed upon values differing by an order of magnitude or greater.

b. Bacteria Concentrations in the Poplar River Basin

Coliform bacteria are present in the waters of the Poplar Basin as shown in Table III-33. With the exception of the West Fork where levels are consistently lower, all stations exhibited similar concentrations. The lower concentration in the West Fork may be due to there being fewer water developments upstream from this station than upstream from the other stations in the Basin. The ratio of fecal to total coliform bacteria is greater in the Poplar River near Scobey and near Poplar indicating that these two stations may be more influenced by fecal contamination than the upstream stations.

Since the waters of Cookson Reservoir contain bacteria concentrations similar to that in the East Poplar River, it is expected that the reservoir construction would not affect bacteria levels in the Basin. Unfortunately data to test this hypothesis are lacking.

Table III-33. Coliform Bacteria (No. per 100 ml) in the Poplar River Basin

	Total Coliform Bacteria				Fecal Coliform Bacteria			
	No. of Samples	Max.	Median	Min.	No. of Samples	Max.	Median	Min.
West Poplar River at International Boundary	3	29	22	17	4	30	17	4
Poplar River at International Boundary	11	690	40	3	11	520	20	<2
East Poplar River at International Boundary	23	430	40	1	24	430	23	1
Poplar River near Scobey	7	250	34	1	7	830	30	5
Poplar River near Poplar	10	230	57	4	13	260	60	2
Cookson Reservoir	13	510	40	<10	13	110	<23	4

3. Pesticides

a. Background Information

Pesticides include insecticides, herbicides, fungicides, algicides and other chemicals used to deliberately kill organisms. They are being increasingly used in agriculture and enter the water bodies via surface run off and atmospheric fallout. Specialized highly sensitive techniques have been developed to accurately measure residues of these chemicals at very low concentrations.

b. Pesticides in the Poplar Basin

Pesticide data for the Poplar River Basin are extremely limited. However, the data available (Table III-34) cover the pesticides in common use and are probably indicative of the Basin as a whole. The broadleaf herbicide 2,4-D is consistently found in these waters as it is in most prairie waters in Canada. Surface run off, particularly of autumn applied agricultural 2,4-D, is thought to be the major source of this chemical but atmospheric fallout may also be a factor. Atmospheric fallout is thought to be the major source of gamma BHC (Lindane), an insecticide, as well as its isomer, alpha BHC. These chemicals also occur widely in Canadian prairie waters. Heptachlor epoxide, an insecticide for soil insects, probably enters the river with surface run off.

There are many other pesticides that could be present in the Poplar Basin waters. However there is no reason to suspect their occurrence in significant quantities.

Since there are no data, the effect of Cookson Reservoir on pesticide concentrations in the Basin waters cannot be determined. Nevertheless, because pesticides have an affinity for suspended sediment and because suspended sediment will settle out in the Reservoir, closing of Morrison Dam may have reduced the quantities of pesticides crossing into the United States from Canada via the East Poplar River. However, if resuspension of sediment during the spring run off should occur, significant amounts of attached pesticides might be carried downstream.

Table III-34. Pesticides in the East Poplar River at International Boundary

Pesticide	No of Samples	No of Detections	Detection Limit µg/l	Range Detected µg/l
2,4-D	8	5	0.004	.080 - .004
2,4,5-T	8	0	0.002	-
2,4-DB	2	0	0.009	-
2,4-DP	1	0	0.004	-
Heptachlor Epoxide	2	2	0.003	0.003
Gamma BHC	6	3	0.001	0.001
Alpha BHC	6	4	0.001	0.02 - .001
MCPA	1	0	0.2	-

IV. METHODS FOR PROJECTING WATER QUALITY

A. Modelled Parameters

1. Rationale and Limitations for Use of Quality and Flow Models

Evaluation of the impact on water quality by projects such as SPC's generating station requires a thorough understanding of the hydrologic system. Such understanding is gained through use of existing knowledge, by the application of analytical tools, and through observation and experimentation. In addition to describing the behavior of the existing system, it is necessary to determine how the system will respond to changes in the influencing factors. Evaluation of this kind requires water resource models that can predict, before the fact, the environmental impacts of alternative futures on the quantity and quality of the river. Once these impacts have been determined, social, economic, and political effects can be evaluated.

Although physical models and analog models have been used to analyze water resource systems, for water quality analyses mathematical models are more convenient. In a mathematical model, the relationship between the various system components is represented by a set of mathematical equations. Depending upon the level of planning and the type of questions to be asked, the mathematical model may range from a few simple equations solvable by hand calculations to hundreds of complex equations that require solution by a digital computer. Regardless of the complexity, when these models simulate the behavior of the physical system, they are referred to as mathematical simulation models.

When used properly, mathematical simulation models can provide valuable information on the effects of changes in the physical system or the impact of waste loads upon water quality. Such models, however, are only one tool that a planner can employ. Other tools, coupled with experience, reasoning, and judgment, must be utilized also in order to produce a reliable analysis.

Water quality models have been developed that: 1. are applicable to streams, lakes, and estuaries; 2. can model a wide range of conservative and nonconservative physical, chemical, and biological parameters; and 3. use various analytical approaches, e.g. steady-state, dynamic, deterministic, stochastic, one-dimensional, two-dimensional, etc. The choice of approach for a given situation depends upon the goals of the analysis, and the availability of data, time, money, and manpower. An analysis may consist of more than one "model", depending upon the particular system and the parameters under consideration. For conservative parameters in a well-controlled river system, monthly mass-balance techniques may be adequate; while some nonconservative parameters - temperature, dissolved oxygen,

nutrients - or where esturine conditions change rapidly, may dictate use of complex, dynamic, short-time interval (5 minutes to an hour) models. The basic tenet should be to use the simplest methods that can answer the questions with the required accuracy.

Generally, for the Poplar River, the methods of analyses were limited by availability of flow and quality data. Consequently, it was not possible to "model" all the parameters of interest with a sophisticated mathematical simulation model. Rather, it was necessary to employ a combination of flow models, statistical relationships, mass-balance techniques, and reasonable assumptions to describe the behavior of the conservative parameters: total dissolved solids, boron, sodium, sulphate, calcium, magnesium and alkalinity. For nonconservative parameters, including trace elements, semi-quantitative or purely qualitative estimates based on extrapolation of results of studies from other areas were used. Details of these procedures are described in the discussion of non-modelled parameters, Section IV.C.

2. Description of Models Employed

Three separate computer programs comprise the package used to model the Poplar River: (1) Karp II, which apportions streamflow at border stations and models water quantity according to various assumed levels of development, (2) Karp III, the water quality program that models concentrations of conservative parameters at selected points in the Basin and within a hypothetical reservoir (to facilitate apportionment) on the Poplar River, and (3) the modified Montreal Engineering (MME) reservoir model, which simulates the monthly quantity and quality changes within Cookson Reservoir and on the East Poplar River at the International Boundary, and apportions streamflows on the East Poplar River at the International Boundary. Each of the computer programs is described more fully below.

a. Water Budget Model (Karp II)

Karp II translates the recommended apportionment into mathematical relationships that simulate effects of the apportionment on streamflows. In practice the MME reservoir model interfaced with Karp II to ensure that the United States received a minimum of 50% of the aggregate natural flow of all streams and tributaries in the Poplar River Basin crossing the International Boundary. Because some parts of the apportionment document (Poplar River Task Force 1976) required some reservoir releases to be made "on demand", it was necessary for the Surface Water Quality Committee to supply some interpretations and assumptions in order to express the apportionment mathematically. The underlying tenet was that the United States' share of this water would be required during the irrigation season. Consequently, demand releases from Cookson Reservoir were programmed to be used during the irrigation season. These demand releases were controlled by the MME model.

The major assumptions and interpretations regarding apportionment are listed below:

1. Monthly flow balancing is assumed since this is necessary for modelling purposes.
2. The apportionment requires delivery of at least 50% of the natural flow to the United States on the West Poplar and 50% of the combined flows of the East Poplar and Poplar Rivers. In the model, this requirement is checked at the end of each month. If this condition has not been met for a given month, the deficit amount is obtained through an unscheduled release from Canadian storage during the following month. The release is made from the Poplar River reservoir if it is available, otherwise it is made from Cookson Reservoir on the East Poplar River.
3. Canadian usage was limited to a maximum of 50% of natural flows in the West Poplar River and its tributary, 40% in the Poplar River, and 60% in Cow Creek and Coal Creek. Canadian usage was not limited on the East Poplar River. These limitations were applied on monthly flow volumes. For the "full apportionment" scenarios (Table V-1), Canadian usage was allowed to increase to the following percentages of the median of the natural flows for each month of the year for the period 1931 - 74: 50% for the West Poplar River and its tributary, 40% for the Poplar River, and 60% for Cow Creek and Coal Creek. In addition, the above mentioned constraint of limiting Canadian usage to a percentage of the natural flow on a month by month basis was still maintained.
4. The demand releases specified for the East Poplar were made during the months of June through September and May of the following year in proportion to the irrigation requirement in these months.
5. Flows to the United States in excess of 50% of 1-month's natural flow were not credited to succeeding monthly releases due the United States.

Input data for Karp II consists of the estimated natural flows, at all stations for 1931 - 1974 from Appendix B of the Poplar River Task Force report, 1976, output from the modified Montreal Engineering model, annual diversion requirements, and monthly schedules of diversions for irrigation (spreader and flood), municipal and livestock, and return flows from irrigation.

Karp II adjusts estimated natural flows according to the proposed apportionment and assumed level of development. Karp II is a modified form of the U.S. Bureau of Reclamation's HYD-2 program that models water quantities by a flow accounting system which balances surface quantities at selected control points, stream stations or reservoirs, throughout the drainage system. Cookson Reservoir is modelled by the modified Montreal Engineering model, which provides input to Karp II.

Estimated natural monthly discharges at a control point are adjusted to reflect upstream storage, releases, diversions and return flows. All demands on the stream system (reservoir evaporation, diversions, return flows, etc.) must be in units of acre-feet. All demand quantities -- with the exception of reservoir evaporation which may be either input or computed on a monthly basis -- must be input directly to the program. The model balances demands against water available, both natural flows and storage, and if possible provides the water required. The amount of the diversion at a given station is also restricted by the availability of water at downstream stations. This is done so that adjustment for this diversion will not result in a negative adjusted flow at any downstream station. Excess water can be stored and deficits can accrue until the end of the accounting year (October through September in this case) if insufficient water is available. The program can be constrained by prior water rights and instream flow requirements.

HYD-2 is designed to operate on fixed monthly schedules of diversions and return flows. The schedules specify the percent of the annual amount of water diverted and returned during each month of the year. Fixed percentages for each year are reasonable if the river system is well controlled by reservoirs or if sufficient water is always available for diversion. For the Poplar River, natural run-off largely dictates the schedule of diversions and return flows. Consequently, diversions can be modified by Karp II to accommodate natural flows, thus allowing apparent deficits to be made up in following months.

Schedules for diversions vary somewhat depending upon the type of development. Details of diversion schedules and amounts are given in the discussion of scenarios examined, Chapter V. Surface return flows are assumed to return to the stream in the same month that they are diverted. The amount of net surface return flow is assumed to 24% of amount diverted for flood irrigations; and 0% for sprinkler and spreader irrigation. The total volume of subsurface return flow was assumed to be 18% of the amount diverted for both water spreading and sprinkler irrigation and 20% for flood irrigation. Schedules for subsurface return flows are given in Table IV-1.

Table IV-1. Subsurface Return Flow Percentage Distribution

Month	IRRIGATION PRACTICE	
	Water Spreading	Other
January	0	4
February	0	2
March	40	1
April	30	0
May	10	5
June	5	11
July	5	19
August	5	23
September	5	17
October	0	9
November	0	5
December	0	4

Outputs from Karp II include outflows, diversions, and surface and subsurface return flows at each station on a monthly basis. These data are necessary to run the water quality model, Karp III.

b. Water Quality Model (Karp III)

Karp III utilizes output from the modified Montreal Engineering model and Karp II as inputs and simulates the levels of conservative parameters (total dissolved solids, boron, calcium, magnesium, sulphate, sodium and alkalinity, in this case) at selected locations throughout the Basin. Regression equations are used to obtain concentrations at border stations and for accretions of flows between stations. Subsequent concentrations at downstream stations are determined from mass-balance analyses for water and salt. The program handles three basic cases: border stations, reservoir mixing, and downstream stations. Each case is described more fully below.

At border stations, monthly discharges (Q) are known from historical records of hydrologic simulations. Available records of specific conductance (EC) and other water quality parameters correspond to measurements of instantaneous discharge, QI.

Since the model operates on a monthly basis, it was necessary to relate EC values to Q rather than QI by the following steps:

1. From historical water quality data a regression equation relating EC to QI was derived. For some stations TDS was used instead of EC, and in these cases can be substituted for EC in the following discussion.
2. The equation from step 1. was used to generate EC values corresponding to recorded daily flows for each month with 15 days or more of records. (15 days of record were considered a full month for purposes of step 4.).
3. For each month the generated EC values from step 2. were discharge-weighted by daily flows to produce a discharge-weighted EC value.
4. A regression equation was developed between the monthly discharge-weighted EC values from step 3. and the average monthly discharge (in cubic feet per second). The resulting equation provided a means of estimating the discharge-weighted EC for the month from the average discharge for the month.

The above procedure better represents the average monthly EC values than use of the equation obtained solely from instantaneous measurements, and it provides an improved means to estimate the concentration of conservative parameters necessary for downstream mass-balance calculations. This procedure was used both on border and downstream stations and particularly on stations 1 (East Poplar at International Boundary), 4 (Poplar River at International Boundary), 9 (West Poplar at International Boundary), 3 (East Poplar near Scobey), 8 (Poplar River above West Poplar), 11 (West Poplar near Bredette),

and 12 (Poplar River at Poplar). Station 7 (Poplar River near Scobey) had sufficient data to allow derivation of an equation between EC and QI, step 1. above, but not enough flow data for steps 2. through 4. The other stations were deficient in both water quality and flow data.

The concentration of conservative parameters (CP) are obtained from regression equations between CP and EC. Thus the basic tools for an upstream station are monthly streamflows, the regression equation between EC and Q, and a regression equation between CP and EC for each conservative parameter. Equations are of the following forms:

$$EC = B \times Q^A \quad (1)$$

where EC - specific conductance, $\mu\text{s}/\text{cm}$ @ 25°C .

Q - average monthly flow in cubic feet per second; and
B and A are regression coefficients for a given station.

$$CP(I) = B(I) \times EC + A(I) \quad (2)$$

where CP(I) is the concentration of the conservative parameter, and B(I) and A(I) are linear regression coefficients for parameter I.

If the flow in a simulation run for a particular month was less than 30 acre-feet, the CP was considered to be indeterminable and was set to zero along with the flow.

For upstream stations, the value of CP obtained from equations (2) is taken to be the concentration of the conservative parameter in the outflow and in any diverted water for simulation runs in which diverted salts are not conserved. For runs in which diverted salts are conserved, they are assumed to return in the same month as the diversion, and the concentration of salt in the outflow is increased according to the following equation:

$$CPC(I) = \frac{CP(I) \times INF}{OUTF} \quad (2a)$$

where INF = inflow to the station = natural flow at the station,
OUTF = outflow from the station after diversions have been made.

Of course, if OUTF is zero or very small, CPC is set to zero.

Table IV-2 contains the regression coefficients and the correlation coefficient for EC vs QI. Corresponding values derived for EC vs Q are shown in Table IV-3. Coefficients for CP vs. EC are in Table IV-4. Note that hardness, instead of calcium and magnesium, is listed in the table. Calcium and magnesium were used only to calculate the sodium adsorption ratio (SAR) which requires the sum of calcium and magnesium. Consequently, hardness was actually modelled and the sum of calcium and magnesium was computed from hardness.

Table IV-2. Regression and Correlation for Electrical Conductivity (EC) or Total Dissolved Solids (TDS) vs. Instantaneous Discharge (QI) ¹⁾

Station	B	A	R ⁴⁾
1, 2	2012. ²⁾	- .389	.91
3	1222. ³⁾	- .102	.47
4, 5	1222. ²⁾	- .086	.57
6, 7	1477. ³⁾	- .310	.87
8	1571. ³⁾	- .176	.64
9,10	1198. ²⁾	- .154	.56
11	1129. ³⁾	- .194	.74
12	2569. ³⁾	- .267	.88

¹⁾ Units of EC are us/cm; TDS, mg/l; and Q, cubic feet/second.

²⁾ $EC = B \times (QI)^A$

³⁾ $TDS = B \times (QI)^A$

⁴⁾ R is the correlation coefficient.

Table IV-3. Regression and Correlation Coefficients for Discharge Weighted Electrical Conductivity (EC) or Total Dissolved Solids (TDS) vs. Average Monthly Discharge (Q)¹⁾

Station	B	A	R ⁴⁾
1, 2	2158. ²⁾	- .450	.99
3	1210. ³⁾	- .111	.99
4, 5	1191. ²⁾	- .092	.98
8	1627. ³⁾	- .197	.99
9,10	1127. ²⁾	- .173	.99
11	1100. ³⁾	- .217	.99
12	2583. ³⁾	- .279	.99

¹⁾ Units of EC are us/cm. at 25⁰C; TDS, mg/l; and Q, cubic feet/second.

The EC and TDS values used in these regressions were generated using the equations in Table IV-2.

²⁾ $EC = B \times Q^A$

³⁾ $TDS = B \times Q^A$

⁴⁾ R is the correlation coefficient and is based on generated rather than observed data.

Table IV-4. Linear Regression and Correlation for Conservative Parameters vs. Electrical Conductivity (EC) ^{1,2)}

Parameter															
TDS			Sodium			Hardness			Sulphate			Boron			
B	A	R	B	A	R	B	A	R	B	A	R	B	A	R	
1, 2	.657	20.03	.93	.142	-18.5	.92	.259	45.0	.87	.179	-.14.8	.90	.00139	-.137	.85
3	1.147 ³⁾	372	.95	.203	-49.5	.95	.217	-52.7	.81	.273	- 132.	.95	.00141	-.378	.90
4, 5	.726	-85.6	.98	.244	- 107	.97	Used	Station 7		.251	- 109.	.97	.00116	-.252	.86
6, 7	1.46 ³⁾	40.3	.99	.219	-55.0	.97	.140	+70.3	.81	.223	- 68.0	.98	.00121	-.257	.95
8	1.35 ³⁾	158	.99	.196	-31.1	.98	.196	-29.1	.87	.229	-50.4	.96	.00091	+ .060	.92
9,10	.735	-107.	.99	.200	2.77	.95	.142	-16.9	.78	.147	-12.7	.94	.00064	+ .126	.78
11	1.42 ³⁾	+107.	.99	.178	35.7	.90	.153	-50.4	.73	.166	-44.7	.86	.00109	-.663	.93
12	1.66 ³⁾	-70.9	.98	.190	-12.3	.97	.0746	+107.	.64	.0799	+100.	.74	.00017	+ .679	.35

¹⁾Units are us/cm. for EC; mg/l for TDS, sodium, sulphate, and boron; and mg/l as CaCO₃ for hardness.

2) Parameter concentration = $B \times EC + A$, except as noted in footnote 3; R is correlation coefficient.

$$3) EC = B \times TDS + A$$

Insufficient water quality data were available to develop equations for the following stations: Cow Creek (station 2), Coal Creek (stations 5 and 6) and the East Tributary to the West Poplar River (station 10). For stations, 2, 5, and 10, the concentrations of conservative parameters were assumed to be the same as the concentrations of the natural flows during the same month at main stream stations 1, 4, and 9 respectively. For station 6, the equations of station 7 were assumed to be valid.

The reservoir portion of the model accounts for the changes in concentration as water and dissolved salt move through a storage reservoir. Four relationships are involved: (1) the conservation of water, (2) the conservation of salt, (3) operating criteria for the reservoir, and (4) the mixing of water and salt within the reservoir. The first two simply balance the mass into and out of the reservoir. The third relationship is specified by operational rules for the reservoir. The fourth relationship requires a statement regarding mixing within the reservoir. For this model, complete mixing of inflow and reservoir storage water was assumed. Furthermore, the outflow concentration was assumed equal to the average of the reservoir concentration at the beginning and end of the month. The pertinent equations are given below:

$$\text{INF}(M) + \text{RES}(M-1) - \text{RES}(M) - \text{EV}(M) - \text{REQ}(M) - \text{OUTF}(M) = 0 \quad (3)$$

where

$\text{INF}(M)$ = inflow to reservoir in month M, acre-feet.

$\text{RES}(M-1)$ = reservoir storage beginning of month M (same as end of month M-1), acre-feet.

$\text{RES}(M)$ = reservoir storage end of month M, acre-feet.

$\text{EV}(M)$ = net natural evaporation (evaporation minus precipitation) from reservoir in month M, acre-feet.

$\text{REQ}(M)$ = water consumed by powerplant including forced evaporation in month M, acre-feet.

$\text{OUTF}(M)$ = outflow from reservoir in Month M, acre-feet.

The equation for the mass-balance of conservative parameters, P, is:

$$C(M) \times \text{INF}(M) + C(M-1) \times \text{RES}(M-1) - C(M) \times \text{RES}(M) + \text{SX} - C(M) \times \text{OUTF}(M) = 0 \quad (4)$$

where

$C(M)$ = concentration of P in reservoir inflow.

$C(M-1)$ = concentration of P in the reservoir of the beginning of month M.

CR(M) = concentration of P in the reservoir at the end of the month M.

CRO(M) = concentration of P in outflow during month M.

SX = source (or sink) term for mass of parameter P added (or removed) from the reservoir during month M.

CRO(M) and CR(M) are unknowns. C(M) is calculated from the regression equations, EC vs Q and C vs EC, for the inflow station. By assuming that outflow concentration is equal to the average of the reservoir concentration at the beginning and end of the month another equation results:

$$CRO(M) = 0.5 [CR(M-1) + CR(M)] \quad (5)$$

By combining the last three equations, CRO(M) is calculated as follows:

$$CRO(M) = \frac{2CR(M-1) \times RES(M-1) + C(M) \times INF(M) + CR(M-1) \times [INF(M) - REQ(M) - EV(M) - OUTF(M)] + SX}{2 [INF(M) + RES(M-1) - REQ(M) - EV(M)] - OUTF(M)} \quad (6)$$

This equation gives the average monthly concentration of the reservoir outflow. The end of month reservoir concentration is calculated from the equation:

$$CR(M) = 2 CRO(M) - CR(M-1) \quad (5a)$$

The reservoir computations then proceed for the succeeding month.

This reservoir mixing procedure was used for the reservoir on the Poplar River. This reservoir was concocted for some simulation runs to allow increased Canadian water usage on the Poplar River and to provide an alternative source for unscheduled release (see Section IV. A.2.a). The reservoir was assumed to be full (18,640 acre-feet) at the start of the simulation period. The initial concentrations of modelled parameters were taken to be:

TDS	884 mg/l
Na	166 mg/l
Hardness	292 mg/l
SO ₄	169 mg/l
B	1.05 mg/l

For the East Poplar River reservoir (Cookson Reservoir), the modified Montreal Engineering Model (described in Section IV.A.2.c.) was used to calculate reservoir outflow quantity and quality, which were inputs for the downstream portion of KARP III.

Finally, KARP III simulates concentration of conservative parameters at downstream stations, i.e., those stations below reservoirs or border stations. Basically, the approach is to assign a quality to each component of flow determined from the quantity program KARP II. Quality of outflows from upstream stations and reservoirs are known but the model must account for changes attributed to uses within the reach between stations. Hence, mass-balance techniques are used to compute concentrations at the downstream stations.

Because of the nature of KARP II¹⁾, there may be an accretion or loss of flow between a downstream station and the station immediately upstream. Since KARP II balances flows only at control points, it is not concerned with balancing volumes between stations. Although the magnitude of this accretion or loss is not required for quantity modelling, both its magnitude and quality must be determined in order to predict the quality of a downstream station.

The magnitude of the imbalance can be determined as the difference between given inputs and outputs in the reach between stations. Mathematically,

$$ACC(M) = OUTF(M) - INF(M) + DIV(M) - RF(M) \quad (7)$$

where

ACC(M) = the accretion (positive) or loss (negative) of flow between stations in month M.

OUTF(M) = outflow from downstream station in Month M.

INF(M) = total inflow into reach immediately above downstream station in month M.

DIV(M) = sum of diversions in reach immediately above downstream station in month M.

RF(M) = sum of return flows to downstream station in month M.

The model considers RF(M), the return flows accruing to a reach, to be available for rediversion with the same reach, i.e., above the downstream station. For a given month and station, ACC(M) generally should be fairly constant, regardless of the level of development.

Equation (7) can be rewritten as:

$$OUTF(M) = INF(M) + RF(M) - DIV(M) + ACC(M) \quad (7a)$$

¹⁾ KARP II adjusts flow data at a station according to a planned level of development, and it does not model the basic hydrologic processes between stations. Consequently, flows may not balance between stations because of ground water interchanges, precipitation, consumptive uses, etc. Therefore, if the original flows do not balance, the adjusted flows will not necessarily balance either.

The solution for the quality of outflow, OUTF(M), requires that the concentration of each term on the right side of the equation be determined.

The mass-balance equation for conservative parameters becomes:

$$\text{OUTF(M)} \times \text{CO(M)} = \text{INF(M)} \times \text{CI(M)} + \text{RF(M)} \times \text{CR(M)} - \text{DIV(M)} \times \text{CD(M)} + \text{ACC(M)} \times \text{CA(M)} \quad (8)$$

where

CO(M) = concentration of conservative parameter in OUTF(M).

CI(M) = concentration of conservative parameter in INF(M).

CR(M) = concentration of conservative parameter in RF(M).

CD(M) = concentration of conservative parameter in DIV(M).

CA(M) = concentration of conservative parameter in ACC(M).

Since all the quantities on the right side of equation 7 have been determined from KARP II, the value of ACC(M) can be calculated. In the solution of equation 8, values for the concentrations are determined as follows:

CI(M) is known from output of the upstream stations.

CD(M) is assumed equal to CO(M), i.e., the diversions have the same concentrations as the outflow.

For CR(M), two concentrations are applicable, one associated with surface irrigation return flows and one associated with subsurface irrigations return flows. Surface return flows are assumed to have a concentration 10% higher than the diverted water due to the effects of evaporation and salt pickup, or

$$\text{CRS(M)} = 1.10 \times \text{CD(M)} \quad (9)$$

where CRS(M) = concentration of surface irrigation return flow.

The concentration of subsurface irrigation return flows was assumed equal to the concentration of the natural ground water. Natural ground water quality was estimated to be the quality measured in the stream at the downstream station during the low flow period when all streamflow was assumed to be composed of ground water. In the Poplar River Basin where the low flow period is December to February, the median historical quality was used (Table IV-5).

If equation 7 yielded a negative number for ACC(M), indicating a loss of flow in the reach, the concentration of the "lost" water was assumed equal to that of the outflow, or CA(M) equals CO(M). If ACC(M) is positive, indicating a gain of flow in the reach, one of two procedures was used to determine the concentration, CA(M), depending upon the magnitude of ACC(M).

1. If ACC(M) is equal to or less than the historical ground water accretion for the reach, CA(M) is assigned the concentration of the natural ground water. Historical ground water accretion was determined from an examination of monthly flow records (both measured and simulated). The difference between the mean inflow and mean outflow for a given reach for a low flow month was taken to be the historical ground water accretion for that reach. For example, stations 1 and 2 which are upstream of station 3, the mean November flows are 222 acre-feet and 0 acre-feet, respectively. The corresponding flow at station 3 is 258 acre-feet, resulting in a ground water accretion of 36 acre-feet per month. From Table IV-5, the concentration of TDS in the ground water at station 3 is 1280 mg/l. Therefore, for station 3, ACC(M) values less than or equal to 36 acre-feet were assigned a concentration, CA(M), of 1280 mg/l for TDS. Similarly, concentrations of sodium, hardness, sulphate, and boron were 320 mg/l, 420 mg/l, 390 mg/l, and 1.7 mg/l, respectively. (Table IV-6 lists the estimated ground water accretions for all stations).

Table IV-5. Estimated Concentrations of Conservative Parameters in Ground Water in Milligrams per Litre

Station	TDS	Sodium	Hardness	Sulfate	Boron
3	1280	320	420	390	1.7
6	1240	315	370	320	1.6
7	1240	315	370	320	1.6
8	1250	330	370	370	1.7
11	800	260	140	150	.5
12	1360	375	350	290	1.0

Table IV-6. Estimated Ground Water Accretion Flow in Acre-Feet per Month

Station	GW Accretion
3	36
6	18
7	6
8	327
11	137
12	553

2. If ACC(M) is greater than the estimated historical accretion it was assumed that ACC(M) was composed primarily of surface runoff. Consequently, the concentration, CA(M), was estimated from regression equations relating concentration to discharge. The regression equations were those described earlier, equations 1 and 2, and tabulated in Tables IV-2, IV-3, and IV-4. Flows used in the regression equations were the estimated historical flows, not just the accretion. It was theorized that under natural conditions the concentration of the accretion would be the same as that of the total streamflow and that the factors determining the concentration of the accretion have not changed significantly even though upstream developments may have altered the flow regime. Thus, the estimated historical flows were used to determine the concentration of CA(M). For example, May of 1933, under simulated baseline conditions station 3 had an accretion of 740 acre-feet. The estimated historical flow for the same month was 1720 acre-feet or 28.7 cubic feet per second. Using 28.7 cfs in the regression equations for station 3 (Tables IV-1 and IV-2) produces values of 834 mg/l, 1329 us/cm., 220 mg/l, 236 mg/l, 231 mg/l, and 1.5 mg/l for TDS, EC, sodium, hardness, sulphate, and boron, respectively. Therefore, these concentrations are used for CA(M) in equation 8.

With all flows in equation 8 known, and with all concentrations on the right side of the equation accounted for as described above, CO(M) can be calculated for all conservative parameters.

Output from KARP III consists of monthly discharge, total dissolved solids, sodium, sulphate, boron, hardness, and SAR. SAR was computed from sodium and hardness according to the following equation:

$$SAR = \frac{Na}{\sqrt{\frac{1}{2} \left[\frac{Hardness}{50} \right]}} \quad (10)$$

where Na = concentration of sodium in milliequivalents per litre

Hardness = concentration of $Ca^{++} + Mg^{++}$, both in units of mg/l as $CaCO_3$

50 = a conversion factor to convert hardness from mg/l to meq/l.

The calculations for all conservative parameters were bypassed if the monthly flow was below about 30 acre-feet, or 0.5 cubic feet per second, because these low flows were not adequately represented by historical data and were outside the range of the model. The total amount of salt contained in these low flows is small, but concentrations could be high. Inclusion of these data would tend to raise the median concentrations. Values tabulated in Attachment 1 reflect only those months in which the flow exceeded 30 acre-feet. The "N" in the output indicates the number of years out of the 42 year simulated period that discharge exceeded the cut off value of 30 acre-feet per month.

c. Reservoir Operations Model
(Modified Montreal Engineering Model)

A reservoir model was required that could simulate the various processes occurring in Cookson Reservoir because of the operations of the reservoir and power plant. Since the Montreal Engineering Company had developed a computer program designed to model both the natural processes in a reservoir plus various processes unique to Cookson Reservoir, it was decided to utilize this model (with the consent of Montreal Engineering Company) for Cookson Reservoir and to modify it as required to meet the objectives of this investigation.

The Montreal Engineering Model operates on a monthly time period. Inputs consist of various flow quantities, precipitation and natural evaporation rates, schedules of forced evaporation, amounts of process chemicals added, physical properties of the reservoir and ash lagoons, required releases, chemical pickup rates from ash, plus various other inputs required to establish initial conditions. Water entering the reservoir may be evaporated, released, or lost through seepage. Its quality may be changed by processes such as evaporation and mixing, or by passing through the cooling system, the boiler, or the ash handling facilities. Outputs include end-of-month reservoir and ash lagoon characteristics and flow and quality of the East Poplar River at the International Boundary. Flows at the International Boundary are composed of various seepages, ground water, and reservoir releases. Components of the model have been described by Saskmont Engineering (1978) and Swales (1978) but documentation is not generally available. Therefore, important aspects of the Montreal Engineering Model, as modified by the Committee are summarized below.

The Modified Montreal Engineering Model (MME) handles the mixing of waters within the reservoir in basically the same manner that KARP III does (Section IV-A-2-b). There are some differences, however. KARP III assumed the outflow concentration was equal to the average of the reservoir concentration at the beginning and end of the month. Therefore, end-of-month reservoir concentration is dependent on reservoir outflow. The Montreal Engineering model assumes that all inputs are mixed before any outflow occurs; thus end-of-month reservoir concentration is independent of outflow during that month. In the absence of specific and detailed information on Cookson Reservoir, neither assumption can be considered superior (the more basic assumption of complete mixing was made in each case). For practical purposes, results of the two procedures will be nearly identical except for months that experience major fluctuations in storage because of extremely large (compared to storage volume) inflows or outflows.

For all simulation runs the maximum reservoir volume of 40,149,800 cubic metres (32,550 acre-feet) used for Cookson Reservoir with a maximum area of 1823.3 acres, and the reservoir was assumed to be full at the beginning of the study period. The initial concentration of the modelled parameters were taken to be the following:

TDS	1220 mg/l
Ca	48 mg/l
mg	61 mg/l
Na	297 mg/l
SO ₄	366 mg/l
B	2.6 mg/l

The change in TDS due to chemical addition is computed from the concentration changes of the various constituents in the same manner as discussed earlier (Section II-B).

In addition to simple mixing of waters and dissolved constituents within the reservoir, the MME model considers the addition of chemicals for chlorination and for reverse osmosis and demineralization, plus the contribution of dissolved minerals by the ash lagoons. For example, the addition of sulphuric acid is necessary for the reverse osmosis treatment of boiler feedwater. The model adjusts the total alkalinity, sulphate and TDS concentrations of the ash lagoons to reflect the sulphuric acid addition. The acid added monthly varies from 3,000 to 35,000 kg per generating unit depending on reservoir quality. Effects of the waste stream from the demineralization process on concentrations of sodium, potassium, sulphate and TDS in the ash lagoons are also considered. This process results in an addition of 30.2 kg/unit day of Na+k and 47.7 kg/unit day of SO₄. Under the assumed plan of operation, decant from the ash lagoons would be discharged with the cooling water return (Saskmont Engineering 1978) to the reservoir.

Alkalinity, chloride and TDS concentrations in the reservoir are affected by chlorination of condenser cooling water. For October through April, chlorination causes alkalinity to decrease by 70 kg/unit day and chloride to increase by 49 kg/unit day. Between May and September the rates are 105 and 74 kg/unit day for the alkalinity decrease and chloride increase respectively.

Fly ash slurry from the power plant and effluents containing the demineralization and reverse osmosis chemicals are transported to the ash lagoons. The lagoons are assumed to fill, the ash to settle out, and the water to be returned to the reservoir -- with the exception of approximately one foot of water above the settled ash. The ash handling system water is assumed to contain 6% ash by volume, and this quantity of ash is assumed to require one month to settle. An ash lagoon is assumed to be used until the settled ash exceeds 33% of the gross volume of the lagoon for two generating units, or 67% for one generating unit. Fly ash slurry discharged to the lagoons is assumed to be 128 l/s for one generating unit and

256 l/s for two units. After a lagoon has been filled and allowed to settle for one month, the decant water is discharged to the reservoir. Each lagoon has a gross volume of 3,000,000 in ³ and a surface area of 394,000 in ². A maximum of four lagoons are considered operational at any time. Thus the amount of discharge can vary from zero to nearly 3,000,000 cubic metres per month.

The ash lagoons are treated as small reservoirs for purposes of computing the quality of contents and discharges. Processes considered are those described previously, i.e., mixing, evaporation, precipitation, the effects of reverse osmosis and demineralization, plus dissolution of minerals from the ash. Each month the following increases in concentration from ash dissolution were assumed to be added to reservoir water entering the lagoon:

TDS	171 mg/l
Ca	0 mg/l
Mg	0 mg/l
Na	35 mg/l
SO ₄	180 mg/l
B	10 mg/l

(Note that the TDS increase is less than the sum of the increases in constituents listed. However, a loss of bicarbonate occurs in the lagoons, thus tending to reduce the net increase in TDS.) Thus, equations similar to (3), (4), (5), and (6) were employed to account for quality changes within an individual ash lagoon. Surface outflow from a lagoon enters Cookson Reservoir; subsurface outflows enter the East Poplar below Morrison Dam.

In addition to ash lagoon decant, Cookson Reservoir receives inputs from streamflow, mine dewatering, and precipitation on the water surface. The quantity of streamflow is computed as the estimated natural flow of the East Poplar River at the International Boundary minus depletions resulting from upstream development (existing or projected). Streamflow quality is computed from regression equations for station 1 (East Poplar at the International Boundary) given in Table IV-3 and IV-4. However, the quality of the inflow water is adjusted due to an assumed overflow from Fife Lake for the months of March through October of the years 1952, 1953, and 1954 (the study period is 1932-74). The estimated quality of these overflows is given in Table IV-7. The concentrations in this table were averaged with the values obtained from the regression equations. Water pumped from the ground in order to dewater the mining area is discharged into Gerard Creek above Cookson Reservoir at the rate of 1 to 2 cfs. This water was assumed to have the following concentrations:

TDS	1070 Mg/l
Ca	104 mg/l
Mg	52 mg/l
Na	227 mg/l
So ₄	301 mg/l
B	1.7 mg/l

Precipitation based on historical records were input for each month. This water was assumed to contain no dissolved constituents.

Table IV-7. Estimated Concentrations (mg/l) of Modelled Parameters in Fife Lake Overflows
(Saskmont Engineering, 1978)

Month/Year	TDS	Ca	Mg	Na	SO ₄	B
1952, 1975						
March	385	23	25	105	131	1.72
April	131	19	8	23	42	1.75
May	559	26	26	161	226	1.91
June	1251	29	51	407	516	1.5
July	1523	20	58	509	662	2.72
August	1576	26	66	530	619	1.92
September	1536	20	64	525	604	1.98
October	1451	18	61	492	567	1.71
1953						
March	880	70	51	235	304	1.72
April	842	55	54	224	294	1.75
May	872	39	56	250	313	1.91
June	863	34	51	248	333	1.5
July	874	23	51	252	345	2.72
August	890	27	54	273	322	1.92
September	940	29	60	286	338	1.98
October	897	31	58	265	328	1.71
1954, 1976						
March	334	20	17	91	122	1.72
April	801	17	36	265	319	1.75
May	1368	24	61	434	564	1.91
June	1324	25	60	419	541	1.5
July	820	25	38	259	315	2.72
August	1294	24	71	464	519	1.92
September	1298	28	73	425	554	1.98
October	1332	30	73	434	495	1.71

Outputs from Cookson Reservoir consist of evaporation, both natural and forced, water retained in the ash lagoons, seepage, plus various releases. Natural evaporation for each month was supplied by Montreal Engineering Company as part of their original model (Spraggs, 1978). Forced evaporation resulting from operation of the generating units was also a part of the original Montreal Engineering model. The basic rates for each month of the year for one and two generating units are given in Table IV-8. With one unit operational, it was assumed that the unit would be shut down during the month of July for maintenance. With two units operational, it was assumed that one unit would be shut down during July and the other during August. Thus, forced evaporation would be reduced during these two months as would discharge to the ash lagoons.

Table IV-8. Forced Evaporation from Cookson Reservoir
in Cubic Metres per Month

Month	1 Unit (300 Megawatt)	2 Units (600 Megawatt)
January	44,405	161,586
February	44,405	161,586
March	58,353	163,031
April	61,188	160,256
May	186,479	407,923
June	212,703	451,629
July	241,840	512,818
August	230,185	474,939
September	201,048	422,492
October	171,910	367,131
November	93,240	221,533
December	44,405	161,586

Seepage and releases appear in the East Poplar River below Morrison Dam. Flows in the East Poplar River at the International Boundary are composed of natural groundwater discharge, seepage from the ash lagoons, and seepage, controlled releases, and spills from Cookson Reservoir. Natural groundwater discharge (Table IV-9) was estimated to have the following concentrations:

TDS	971 mg/l
Ca	75 mg/l
Mg	47 mg/l
Na	203 mg/l
SO ₄	244 mg/l
B	2.0 mg/l

All ash lagoon seepage, which may total up to 30 acre-feet per month depending upon the number of lagoons in operation, is assumed to enter the East Poplar River between the dam and the International Boundary. Quality of ash lagoon seepage is assumed to be equal to ash lagoon decant.

Table IV-9. Estimated Natural Groundwater Inflow Between Morrison Dam and the International Boundary (Saskmont Engineering, 1978)

Month	Groundwater flow in Acre-feet/month
January	62
February	56
March	155
April	210
May	201
June	180
July	171
August	155
September	120
October	108
November	90
December	62

Seepage under and around Morrison Dam was estimated to accrue to the East Poplar River at the rate of approximately 70 acre-feet per month. Controlled releases consist of water necessary to meet riparian requirements plus demand releases and unscheduled releases required by the proposed apportionment. Spills are unplanned and occur only when the reservoir is full and cannot store the inflow. Reservoir seepage, releases, and spills were all considered to have the same quality as the reservoir water at the end of the month in which out-flow occurred. The resulting quality of the East Poplar River at the International Boundary was obtained by mixing component flows from the various sources for a given month.

Flows at the Boundary are input to Karp II. Flows and qualities are input to Karp III.

B. Model Verification

One measure of the predictive ability of a mathematical model is its ability to reconstruct concentration levels found in the historical record. A second and more important criterion, is the ability of the model to predict values which can be compared to actual measurements which have not been included in the calibration process. The following sections present a verification of the water quality model at two limiting geographical points on the Poplar River system, the International Boundary and the river mouth.

1. Comparison with Historical Data (pre-reservoir)

Figures IV-1 and IV-2 show the modelled TDS predictions for the pre-reservoir historical case (scenario 2) at the Boundary and at the mouth of the Poplar River, and compare these estimates with the median monthly values calculated from the record of measured concentrations. It should be noted, however, that the observed period of record began in 1973 and concludes with dam closure at the end of 1975, whereas the simulated period comprises up to 42 years of recorded flow. Consequently, differences between the curves probably reflect the much wider range of discharge conditions which exist in the simulated case. At the Boundary, the two curves follow a fairly similar seasonal trend with the historical median values lying with the winter maximum and spring minimum of the simulated record. Except for these extreme cases, corresponding monthly TDS concentrations are within 250 mg/l. The good agreement of the curves at Poplar suggests that the hydrologic system has been adequately modelled down the river.

2. Comparison with Present Reservoir Operation

Since the beginning of 1976 a considerable number of measurements of total dissolved solids have been made at the International Boundary of the East Poplar River, and these provide a test of the model predictions. For this simulation run, which started January 1976 and ended September 1977, Cookson Reservoir was initialized with a volume of 220,000 m³ and the following concentrations:

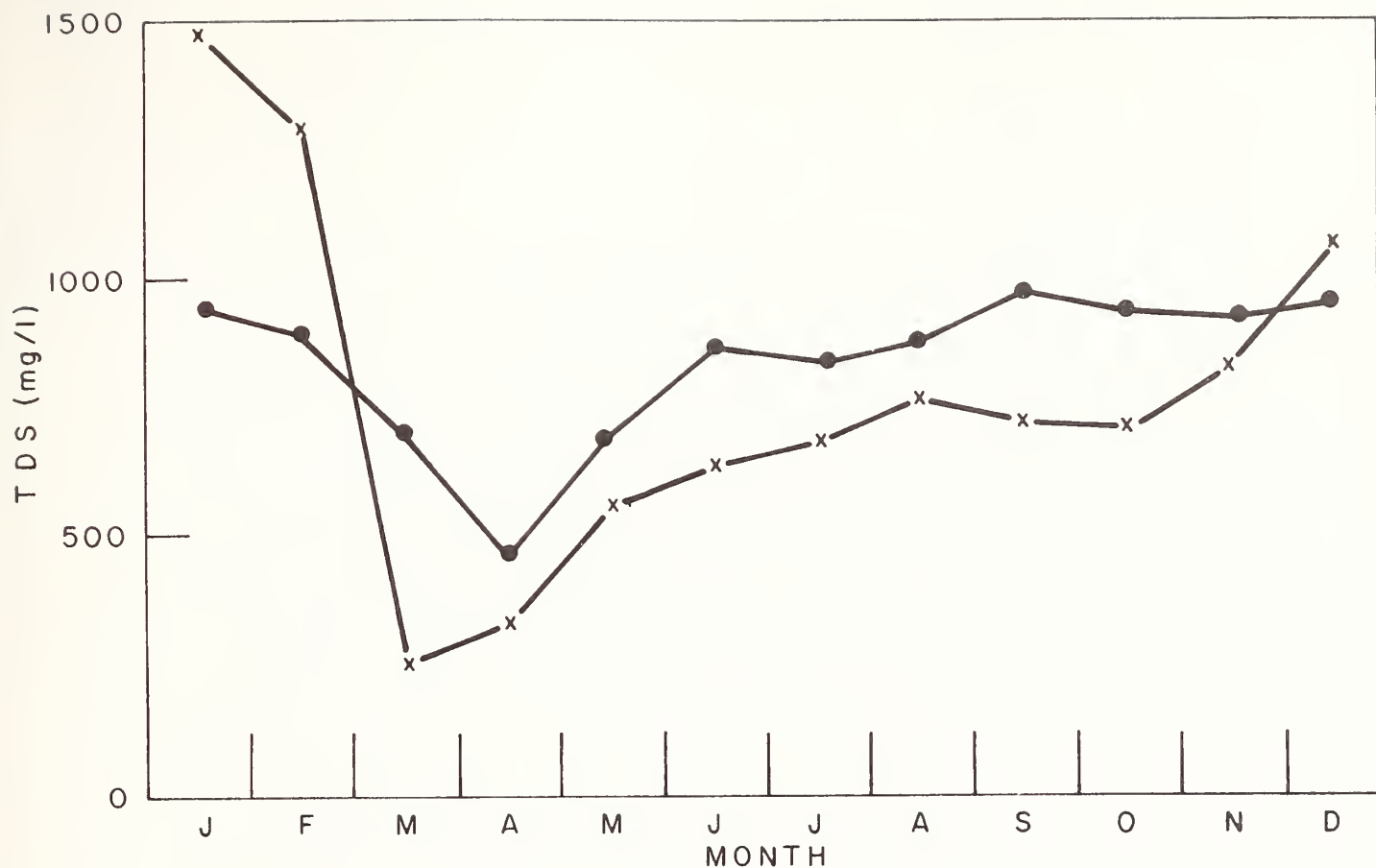


Figure IV-1. Model Predictions for TDS Concentrations in the East Poplar River at the International Boundary Before Morrison Dam (x) Compared to Observed Historical Median Monthly Values (●)

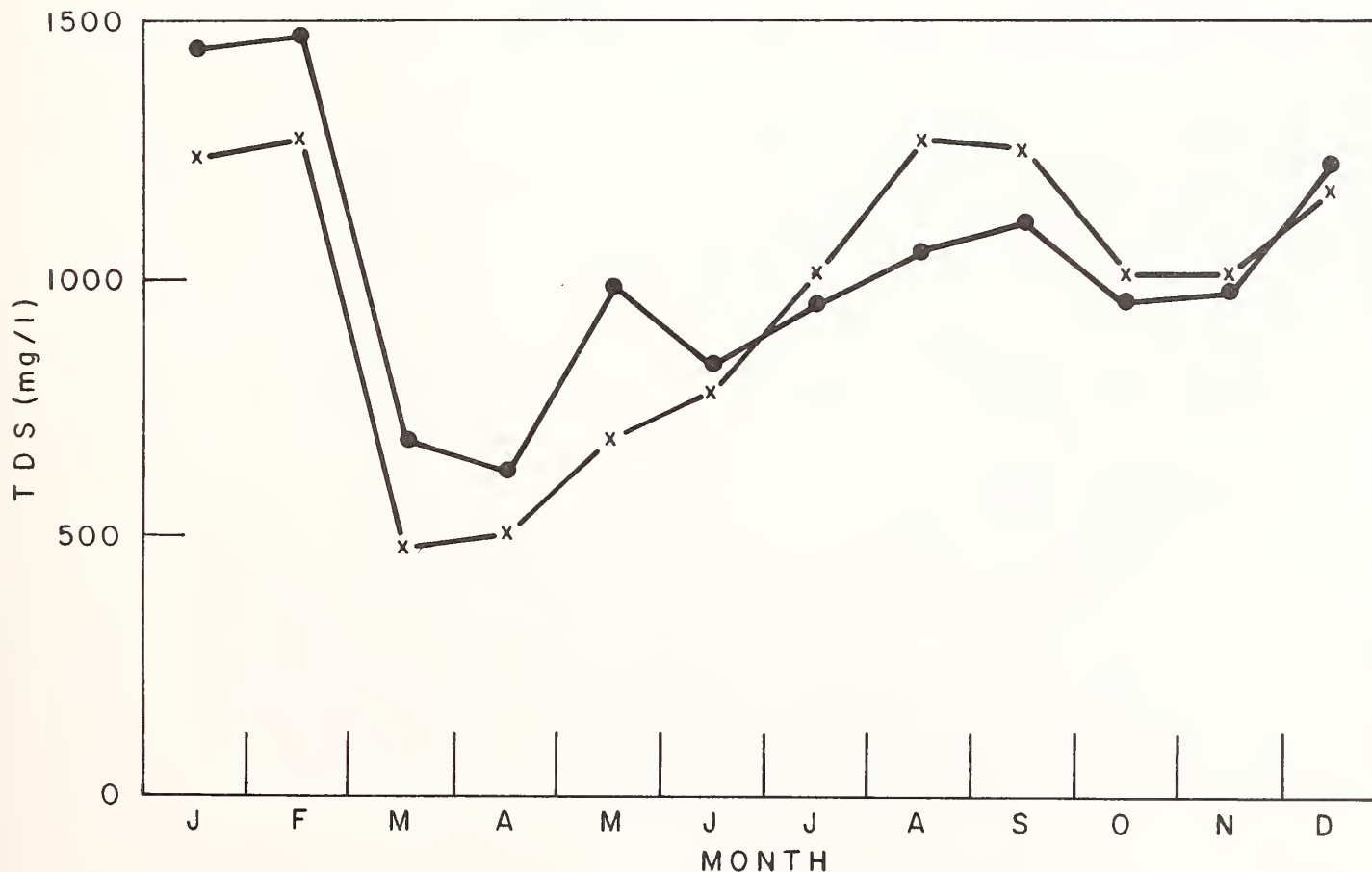


Figure IV-2. Model Predictions for TDS Concentrations in the Poplar River near Poplar, Montana Before Morrison Dam (x) Compared with Observed Historical Median Monthly Values (●)

TDS	1220 mg/l
Ca	48 mg/l
Mg	61 mg/l
Na	297 mg/l
SO ₄	366 mg/l
B	2.6 mg/l

The inflow concentrations were adjusted to take into account overflows from Fife Lake (Table IV-7). The model was run with no power plant units, no ash lagoons, no mine water inflow, no process chemicals, and no water use upstream of the reservoir. The releases from the reservoir (Table IV-10) were determined by an analysis of recorded flow data for the East Poplar River at the International Boundary. This comparison (Figure IV-3) lends credence to the predictive capacity of the model. The model forecasts the low concentrations during the spring of 1976 and generally approximates the measured values. Although the modelled values are monthly averages and therefore not strictly comparable with the instantaneous readings, the overall good agreement suggests that the model is representing the situation at the Boundary.

A similar comparison at Poplar near the mouth of the Poplar River (Figure IV-4), illustrates the general confidence range which can be applied to the model predictions. The predictions approximate the measured values although estimates can be off by as much as 400 mg/l. Since this station represents the accumulated effects within the entire basin it is not surprising that the agreement is not as good here as at the Boundary. The highest measured TDS values during the summer of 1977 are not estimated by the model since the flow was predicted to be less than 0.5 cfs.

It had been anticipated that the model would be able to predict values for SAR based on flow-quality relationships. However, as shown in Figure IV-5, the agreement between observed and predicted values is not good at the International Boundary and becomes progressively worse downstream. An analysis of this discrepancy indicated that basic components of SAR, calcium and magnesium, do not behave in a conservative fashion. Consequently, it is not possible to accurately model SAR or hardness using the water quality model. However the modelled SAR values are shown and discussed because they indicate the relative changes expected.

C. Non-Modelled Parameters

Water quality estimates requested by other committees led the Surface Water Quality Committee to review the data and possible methodology available to project parameter concentrations for the scenarios being modelled. In addition to TDS, B, SO₄, Na, hardness, alkalinity, and SAR, projected by the reservoir models, interest was also shown in the following parameters because of possible impact on domestic, agricultural and recreational usage, and stream biology.

Table IV-10. Releases from Cookson Reservoir for the
Period January, 1976 to September, 1977

Month	Release (Acre-feet/month)
January, 1976	0
February, 1976	206
March, 1976	8,709
April, 1976	11,929
May, 1976	1,649
June, 1976	5,903
July, 1976	6,589
August, 1976	771
September, 1976	76
October, 1976	59
November, 1976	0
December, 1976	0
January, 1977	0
February, 1977	28
March, 1977	49
April, 1977	36
May, 1977	940
June, 1977	720
July, 1977	0
August, 1977	12
September, 1977	12

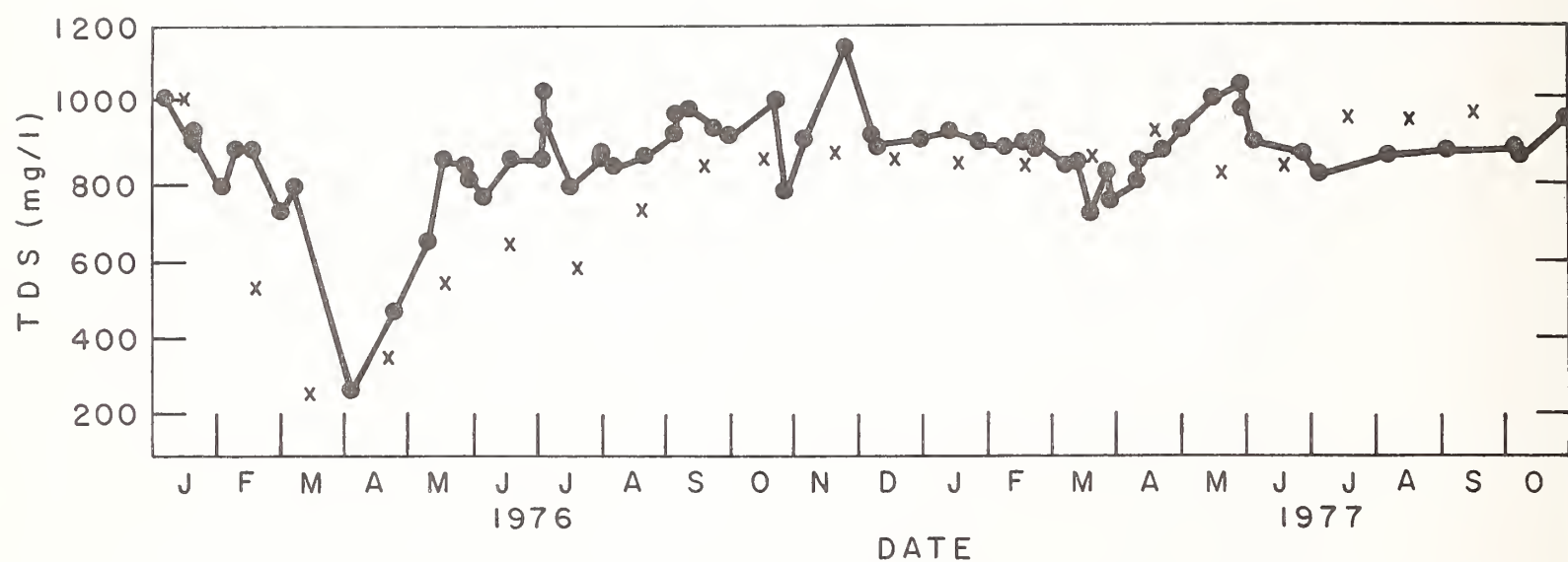


Figure IV-3. Model Predictions for TDS Concentrations (x) in the East Poplar River at the International Boundary Compared with Observed Values (●)

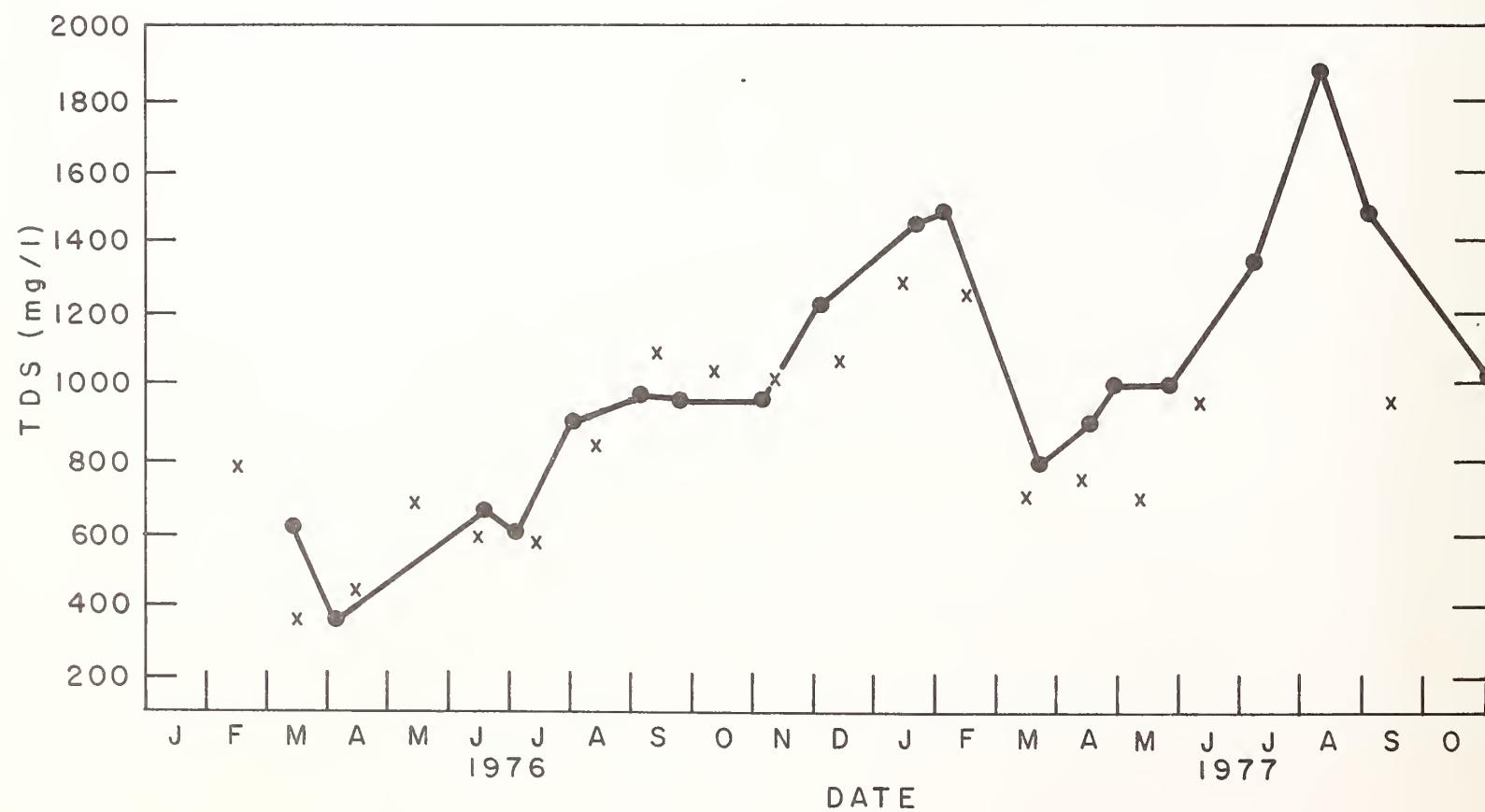


Figure IV-4. Model Predictions for TDS Concentrations (x) in the Poplar River near Poplar, Montana Compared with Observed Values (●)

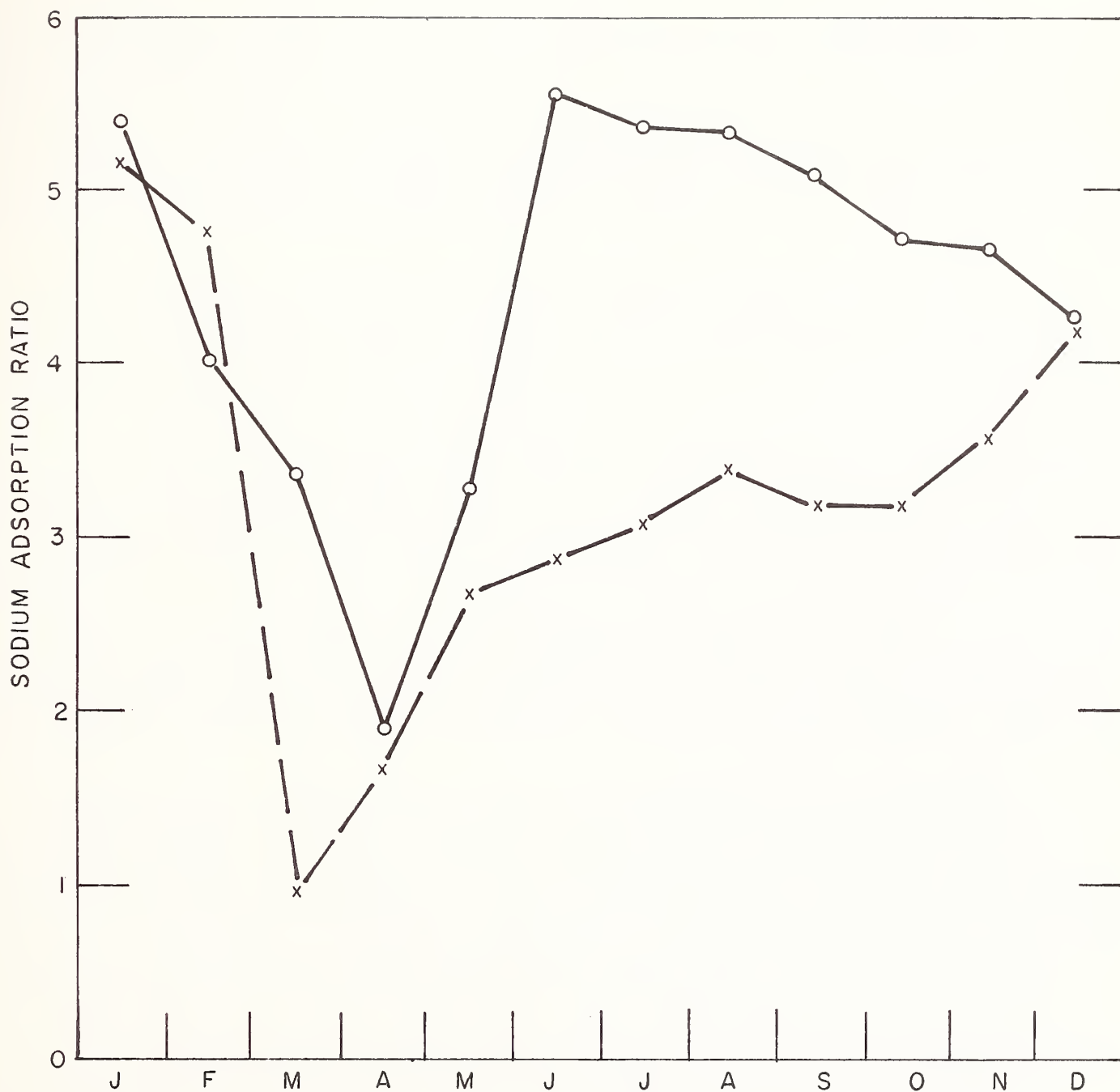


Figure IV-5. Model Predictions for Sodium Adsorption Ratio in the East Poplar River at the International Boundary Before Morrison Dam (x) Compared to Observed Historical Median Monthly Values (o)

Aluminum	Fluoride	Selenium
Ammonia	Iron	Sulphate
Arsenic	Lead	Temperature
Cadmium	Manganese	Turbidity
Chromium	Mercury	Zinc
Copper	Nitrate	pH
Dissolved oxygen	Phosphate	Total coliform
		Fecal coliform

Each of these parameters were evaluated for two characteristics. First, was a procedure available to model the parameter? Second, were enough data available (concentration and flow) to provide an acceptable estimate of future concentrations from past observations?

Except for iron and manganese not enough metal data were available; nor was there a large enough variation in concentrations to develop an acceptable correlation between flow or TDS and the parameter concentration as needed in the model being used. It is unlikely that larger concentration variations will occur with the reservoir in operation. An adequate number of iron and manganese analyses had been run; however, these both readily oxidize from a soluble to an insoluble form in aerated solutions and precipitate. Thus, it is anticipated that only the soluble form (in low concentrations) of both iron and manganese will leave the reservoir and with little variations in concentration.

Sufficient turbidity and pH data were available at most stations; however, neither has routinely been modelled since their behavior is complex and not subject to analysis by the model used here. Coliform data were sparse; and these also suffer from the same modelling limitations as turbidity and pH.

Nutrients (nitrogen and phosphorus) were examined extensively to determine whether their behavior would be predictable, particularly in Cookson Reservoir. A literature search of procedures for modelling these parameters indicated that most effort had been directed toward bays and estuaries, and that a relatively large quantity of data were generally required for any predictive models. A review was conducted of nutrient levels in a number of lakes and reservoirs in areas having a climate similar to the Poplar River drainage. These included Boundary Reservoir on Long Creek in Saskatchewan and a number of lakes and reservoirs in North and South Dakota that had been studied by the U.S. Environmental Protection Agency during their National Eutrophication Survey. This review pointed out generalizations that could be made as to the anticipated behavior of nitrogen and phosphorus in Cookson Reservoir. These have been included in Section V.

Review of the data required as input to a model for estimating dissolved oxygen and temperature revealed that important stream characteristics (such as sediment oxygen demand, time of travel, and cross-section) were not presently available. This fact and time constraints led the IPRWQB to recommend that modelling be rejected in favour of an engineering evaluation of these parameters (Section V).

V. PREDICTED WATER QUALITY

A. Scenarios Examined

The Surface Water Quality Committee examined approximately 35 scenarios to satisfy its Terms of Reference and the needs of other IPRWQB committees which were analyzing the impact of development on various characteristics of the Basin. Scenarios were developed for four purposes; to validate the model, to study water quality under a variety of growth and development situations, to analyze the impact of mitigation measures and to evaluate the sensitivity of the model to assumptions necessary for completion of the modelling in cases where sufficient data were unavailable.

For purposes of this report the first twenty-one of these scenarios have been assembled into five groups which will be discussed more fully in Section B. The main characteristics of these scenarios are shown in Table V-1. Additional scenarios will be discussed in other Sections and later chapters as appropriate.

Each development year referred to in Table V-1 had an associated level of water demand. This demand level was provided by the Uses and Objectives Committee. These annual demands are listed in Tables V-2 and V-3 for the various levels of development. Table V-4 gives the fraction of the annual demand that applies to each month of the year. However, as discussed in Sections IV.A.2.a., the actual diversions for a particular month may be less than, equal to, or greater than the demand for cases in which there is respectively a shortage of water that month, sufficient water that month, or sufficient water that month with an increased demand due to a demand deficit the previous month. Any unsatisfied demands at the end of September of each year are not carried forward.

The first group (Group A) of scenarios (Nos. 1-3) include those which are designed to show changes in water quality with increased development up to the present time. Thus the calculations estimate water quality before any development in the Basin, at the 1975 level of development both in Canada and the United States (baseline conditions) and at that same level of development with Morrison Dam in place. This latter scenario is assumed to represent the present status of the basin and also used to evaluate adequacy of the model by comparison with recently collected water quality data (Chapter IV).

The second group (Group B) of scenarios (Nos. 4-6) considers water quality in the Basin with a single 300-Mw generating unit at the power plant and three different levels of development in Canada and the United States. This group considered salts in the rivers to be conservative, i.e. water usage in Canada would not remove any salt, and thus all salts would return to the rivers before they enter the United States, or in the case of the East Poplar River, Cookson Reservoir. The model also apportions the natural stream flow between Canada and the United States, limiting maximum Canadian usage when necessary to the percentages specified by the proposed apportionment. Where required the model makes unscheduled releases from Cookson Reservoir to satisfy the apportionment.

Group	Scenario No.	Name	Development Year		Salt Assumption	Remarks
			U.S.	Canada		
A	1.	Estimated Predevelopment	None	None	---	1)
	2.	Historical	1975	1975	Conservative	1)
	3.	Status quo	1975	1975	Conservative	2)
B	4.	One unit	1975	1975	Conservative	3)
	5.	One unit	1985	1985	Conservative	3)
	6.	One unit	2000	1985	Conservative	3)
C	7.	Two units	1975	1975	Conservative	3)
	8.	Two units	1985	1985	Conservative	3)
	9.	Two units	2000	1985	Conservative	3)
	10.	Two units	1975	1975	Conservative	4)
	11.	Two units, full apportionment	1985	1985	Conservative	4)
	12.	Two units, full apportionment, and P. R. reservoir	2000	1985	Conservative	4)
D	13.	Two units	1975	1975	(Non conservative	4)
	14.	Two units, full apportionment	1985	1985	West Poplar, Poplar	4)
	15.	Two units, full apportionment, and P. R. reservoir	2000	1985	and tributaries)	4)
E	16.	Historical	2000	1975	Conservative	5)
	17.	One unit	2000	1975	Conservative	5)
	18.	Two units	2000	1975	Conservative	5)
	19.	Two units	2000	1975	Conservative	5)
	20.	Two units	2000	1975	Non-conservative	5)
	21.	Two units	2000	1985	Non-conservative	5)

1)No reservoir

2)Reservoir and no power plant

3)Canadian usage limited to apportioned percent of natural flow with unscheduled dam releases from Cookson Reservoir to meet apportionment

4)Canadian usage limited to the greater of either existing use or apportioned percent of median flow but no greater than apportioned percent of natural flow. Poplar River reservoir releases of 60% of natural flow plus unscheduled releases for apportionment

5)U.S. uses limited to Ft. Peck only

NOTE A - All scenarios assume that subsurface irrigation return flow quality equals present groundwater quality.

NOTE B - Apportioned percents are for Canadian usage - West Poplar and tributaries = 50%
 - Poplar River = 40%
 - All other tributaries = 60%

Table V-2. Estimated United States Demand for Water in
Acre-Feet per Year

Level of Development	Station	Irrigation							Total Demand RF ¹	
		Stock and Domestic Demand	Sprinkler Demand RF	Spreader Demand RF	Flood Demand RF ¹	Municipal Demand				
1975	3	105	-	850	153	200	40	350	1505	193
	7	122	1090	70	12	1027	205	-	2309	413
	8	334	550	310	56	2733	547	-	3927	702
	11	469	810	369	71	120	24	-	1768	241
	12	802	-	260	78	470	77	-	1532	155
1985	3	135	-	950	171	320	64	400	1805	235
	7	145	1430	180	32	1130	226	-	2885	515
	8	370	870	540	97	2830	566	-	4610	820
	11	498	1130	619	116	470	94	-	2717	413
	12	5726	27658	260	78	470	77	-	34114	155
2000	3	215	-	1090	196	750	150	600	2655	346
	7	205	2560	310	56	1560	312	-	4635	829
	8	465	2020	880	158	3270	654	-	6635	1176
	11	563	2470	959	178	1010	202	-	5002	825
	12	5726	55316	260	78	470	77	-	61772	155
Schedule No. ²		3 ³	4 ³	2	3	1	4	2	5	

¹Return flows (RF) in the table are considered to be subsurface. In addition to these, there is a surface return flow calculated as 24% of the water diverted for flood irrigation in any given month

²The schedules are listed in Table V-4; they give the fraction of the annual water demand for each month of the year

³The 1985 and 2000 demands at station 12 for stock, domestic, and sprinkler irrigation were done according to schedule 12

Table V-3. Estimated Canadian Demand for Water in Acre-Feet per year¹

Level of Development	Station	Irrigation				Total Demand	Schedule No. ²
		Stock and Domestic Demand	Sprinkler Demand	Spreader Demand	Municipal Demand		
1975	1	766	85	137	36	1024	
	4	136	52	-	-	188	
	9	276	0	25	-	301	
1985	1	1017	119	192	150	1478	
	4	323	73	-	-	396	
	9	288	100	35	-	423	
Schedule No. ²		3	3	3	5		
1975 with full apportionment	2					358	6
	4					932	13
	4					2577	7
	5					106	8
	9					604	9
	10					99	10
1985 with full apportionment	9	Same as 1975 full apportionment				736	11
	2,4,5,10						

¹Forced and natural evaporation from Cookson Reservoir (station 1) is not included in this table. See Section IV.A.2.c

²The schedules are listed in Table V-4; they give the fraction of the annual water demand for each month of the year

Table V-4. Monthly Schedules of Demands for Water

Schedule No.	Monthly fraction of annual water demand											
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.
1	-	-	-	-	-	.40	.30	.10	.05	.05	.05	.05
2	.09	.05	.04	.04	.02	.01	-	.05	.11	.19	.23	.17
3	-	-	-	-	-	1.0	-	-	-	-	-	-
4	-	-	-	-	-	-	-	.12	.18	.32	.27	.11
5	.07	.05	.04	.04	.04	.05	.06	.10	.14	.16	.15	.10
6	.02	-	-	-	-	.60	.22	.07	.04	.02	.01	.02
7	.02	.02	.01	-	-	.38	.36	.11	.08	.02	-	-
8	.04	-	-	-	-	.39	.47	.06	.04	-	-	-
9	.02	.01	-	-	-	.54	.35	.04	.02	.01	.01	-
10	.03	-	-	-	-	.30	.61	.03	.03	-	-	-
11	.01	.01	-	-	-	.62	.29	.03	.02	.01	.01	-
12	1.0	-	-	-	-	-	-	-	-	-	-	-
13	.09	.03	-	-	-	.01	.05	.09	.10	.22	.24	.17

The third group (Group C) of scenarios (Nos. 7-12) considers water quality in the Basin with two 300-Mw generating units in operation and with three levels of development in Canada and the United States. The first three scenarios (Nos. 7-9) are similar to those in Group B discussed above with the exception of the level of power generation. The latter three scenarios differ from the others in the manner in which the apportionment is accomplished and is more restrictive. In these cases the model assumes an additional reservoir exists on the Poplar River which releases 60 percent of the natural flow for use in the United States as well as supplying any additional releases required under the agreement. In addition these scenarios consider that the flow requirements for Canadian usage are limited to the greater of either present usage or the amount of the median flow that could be used under the apportionment. However, these volumes were not permitted to exceed the apportioned percentage of the natural flow. Furthermore, to simulate allowed Canadian water usage, 932-acre-feet per year were diverted from the Poplar River reservoir, if available. In all six scenarios, salt concentrations were assumed to be conservative.

The three scenarios in Group D (Nos. 13-15) are similar to scenarios 10-12 above with the exception that salt was not conserved. In Group D, salts removed with Canadian irrigation flow did not return to the system. Comparison of these scenarios with Nos. 10-12 permit evaluation of the impact of conservative vs. non-conservative salt assumptions.

Group E (scenarios Nos. 16-21) repeats a number of earlier scenarios but restricts irrigation water usage in the United States. The only United States development considered in these scenarios occurs through usage by the Indians on the Ft. Peck reservation. Thus water quality and quantity in the rivers in the United States is not subject to change as a result of usage other than on the reservation.

B. Modelled Parameters

1. Method of Data Presentation

In this Chapter and in Chapter VI, impact of the SPC project on modelled parameters is shown and discussed using median values for each month over the entire period for which water quality is projected. These medians were calculated from the mean values which were predicted for each month where there was significant flow in each of the 42 years in the period of projection. These monthly medians are considered to be representative of the "usual" water quality which will occur in the Basin after development. A summary of the expected high and low values is shown in the 10th and 90th percentiles in attachments 1 through 5. Furthermore summarizing over a 42-year period hides extreme values which may occur in a relatively few years. It is likely that during prolonged dry periods consecutive high concentrations of certain parameters will occur which will exceed water quality criteria. This possibility can be evaluated from the detailed printouts available from this Committee's Chairman or from the special summaries provided to the Uses and Objectives Committee.

For the purposes of reviewing the selected parameters based on model generated data, graphs were prepared showing median monthly values for appropriate stations. All discussion refers to median values.

Since the model excludes data for months when the average flow is less than $0.014 \text{ m}^3/\text{sec}$. (0.5 cfs) there are instances where the 42 year period of data generation was not attained. Where the data considered was for 10 years or more, symbols are used in the graph to designate the number of years in the 42 year period when there was significant flow in that month; viz. A filled symbol indicates 30-42 years; a half filled symbol depicts 20-29 years, while an open symbol was used for 10 to 19 years. The following legend illustrates the approach:

- , ■, ▲, ◆ or ★ -Signifies 30-42 years
with flow in that month
at the designated station
- ◐, ◑, ◒, ◓ or ☆ -Signifies 20-29 years
with flow in that month
at the designated station
- , □, △, ◇ or ☆ -Signifies 10-19 years
with flow in that month
at the designated station

2. Scenario Group A

a. Description of Scenario and Stations

Scenarios Group A includes scenarios 1, 2 and 3 which are respectively estimated predevelopment, historical and status quo. The data shown for these scenarios are not observed values but rather estimates of water quality for the 1932 to 1975 period for which no or very limited water quality data are available. Scenario 2 which represents conditions in the basin prior to SPC's development is the baseline against which impact is assessed. The quality of all the major stations is discussed for this scenario group because of its baseline nature.

b. Total Dissolved Solids

i. West Poplar River

For all three scenarios - predevelopment, historical (1975 uses, no reservoir), and status quo (1975 uses, reservoir on East Poplar) - predicted median monthly TDS values were essentially the same at a given station. Therefore, Figure V-1, which graphically indicates trends at the boundary station and near the mouth for the historical scenario, would be similar for all three cases.

The upstream station had enough flow only for data generation during the May through July period. In contrast the lower site yielded data for all months.

Medians were lowest (450 mg/l) during the spring runoff period and then gradually increased to late summer-winter figures of around 800 mg/l. Variations were slight for August through February.

ii. Upper Poplar River (above East Poplar)

The border station yielded almost identical predicted values for all three scenarios in the group. Typical monthly TDS trends are shown on Figure V-2. Although the first two calendar months were flow limited, the spring through winter predictions increased from about 550 mg/l to 790 mg/l.

The station above the confluence with the East Poplar exhibited a variation between scenarios. In particular, the influence of a 1975 level of development were manifested in lower flows during the July, August and September period. Figure V-2 shows the TDS trend of viable data for the historical situation. The low spring runoff concentration from around 500 mg/l increased to 700 mg/l by June. October through December values were in the 870 to 960 mg/l range.

Predevelopment predictions yielded similar characteristics through the snowmelt to June period. Increases were noted in the summer period (940 mg/l) followed by slight declines in the early winter.

iii. East Poplar and Lower Poplar River

For the historical scenario, the monthly TDS concentrations from the East Fork at the border through to the main stem and the most downstream station are shown geographically on Figure V-3. The numbers can also be considered typical of the predevelopment case.

The TDS pattern was generally typical in that the lowest values occurred during spring runoff and increased to maximum concentrations in the ice-cover period. TDS levels tended to increase in a downstream progression. For example, the March and December values for the border crossing were 250 mg/l and 1070 mg/l respectively, while at the most downstream site the numbers were 470 mg/l and 1190 mg/l.

With the East Fork reservoir in place (scenario 3) the picture was altered considerably (particularly at the boundary). The reservoir apparently executed a dampening effect such that monthly variations were 790 mg/l to 880 mg/l. This effect also was manifested at the station above the Poplar River. However, further downstream the effect was less, although there tended to be slightly higher TDS concentrations during the spring and early summer months and lower values during winter.

c. Boron

i. West Poplar River

Boron predictions for all three scenarios were essentially the same. Figure V-4, for the historical case, illustrates the constant range of expected concentrations. Essentially ranges of 0.2 to 0.8 mg/l were predicted.

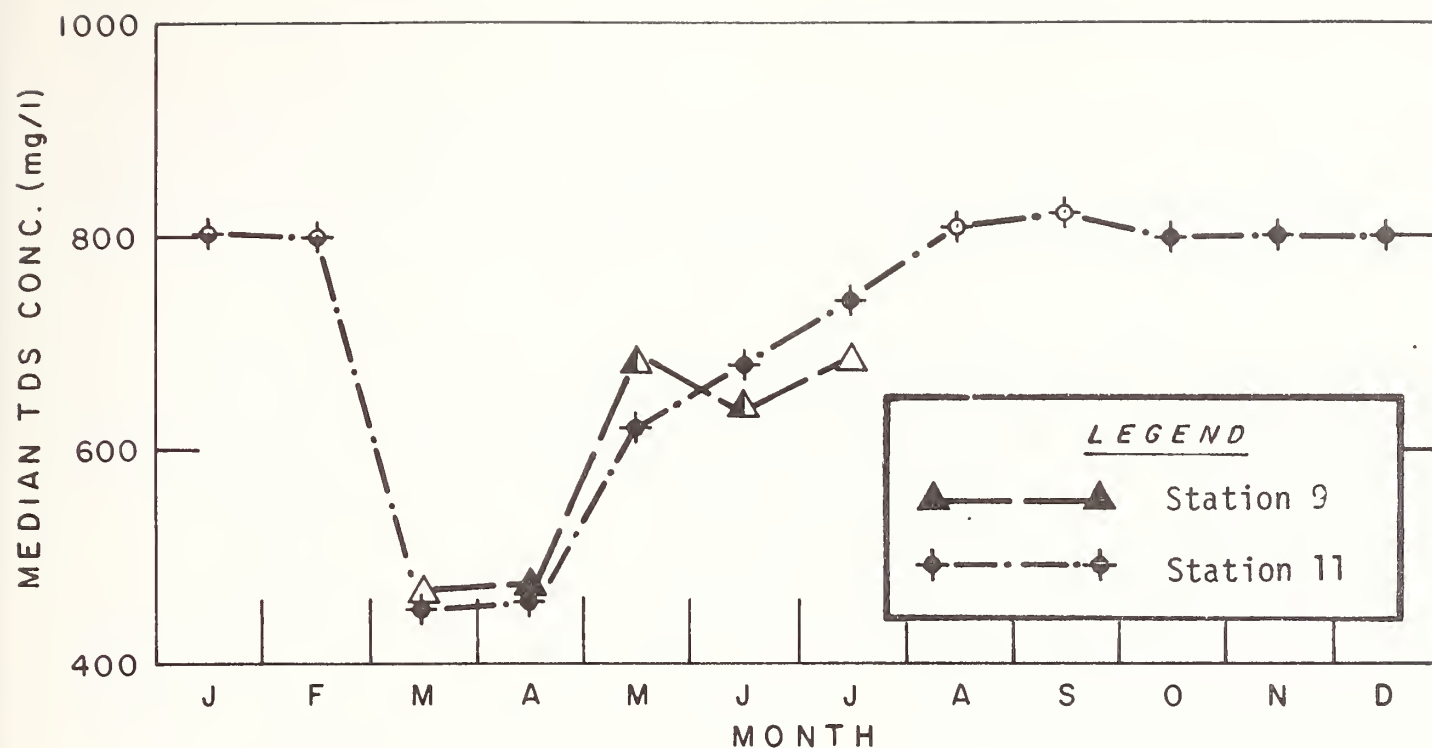


Figure V-1. Historical Concentrations of TDS in the West Poplar River (Scenario Group A) (See Figure I-1 for Station Locations)

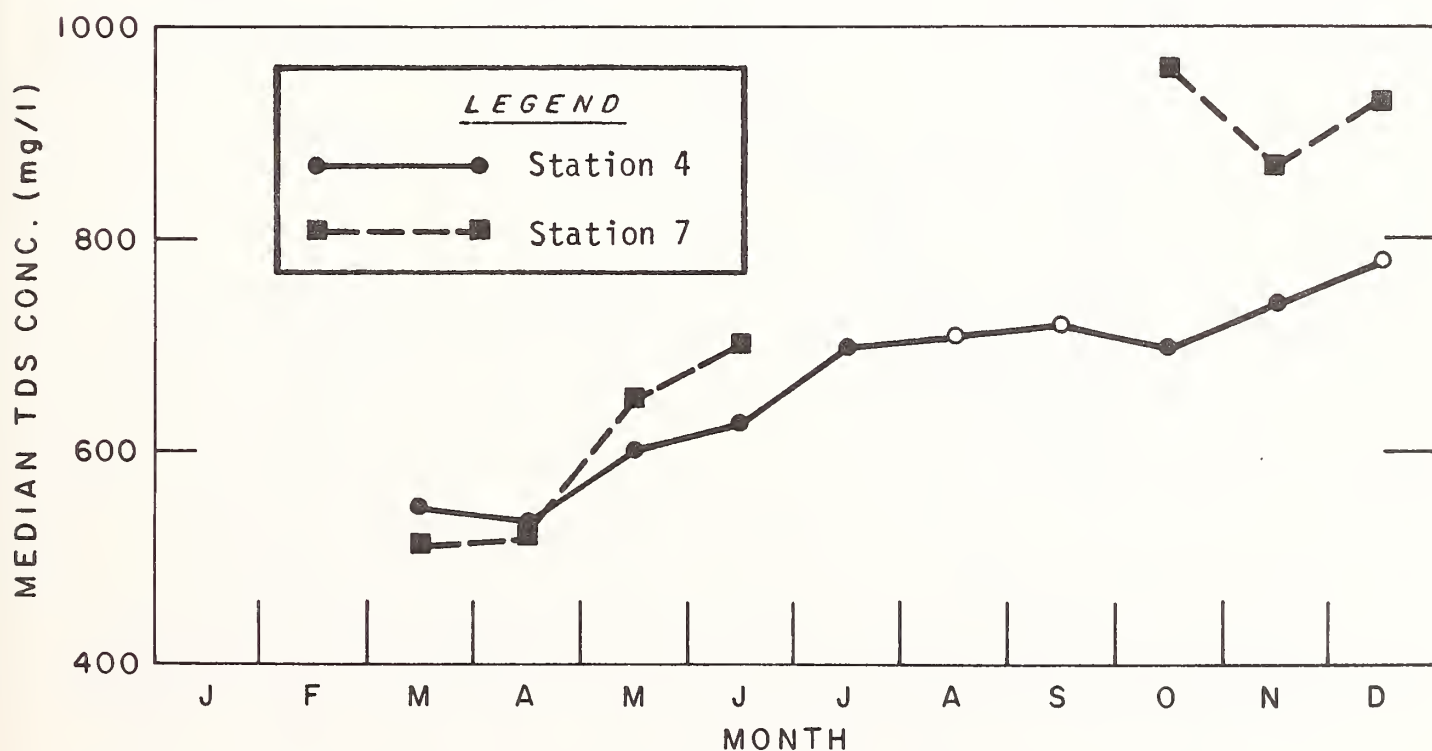


Figure V-2. Historical Concentration of TDS in the Poplar River (Scenario Group A) (See Figure I-1 for Station Locations)

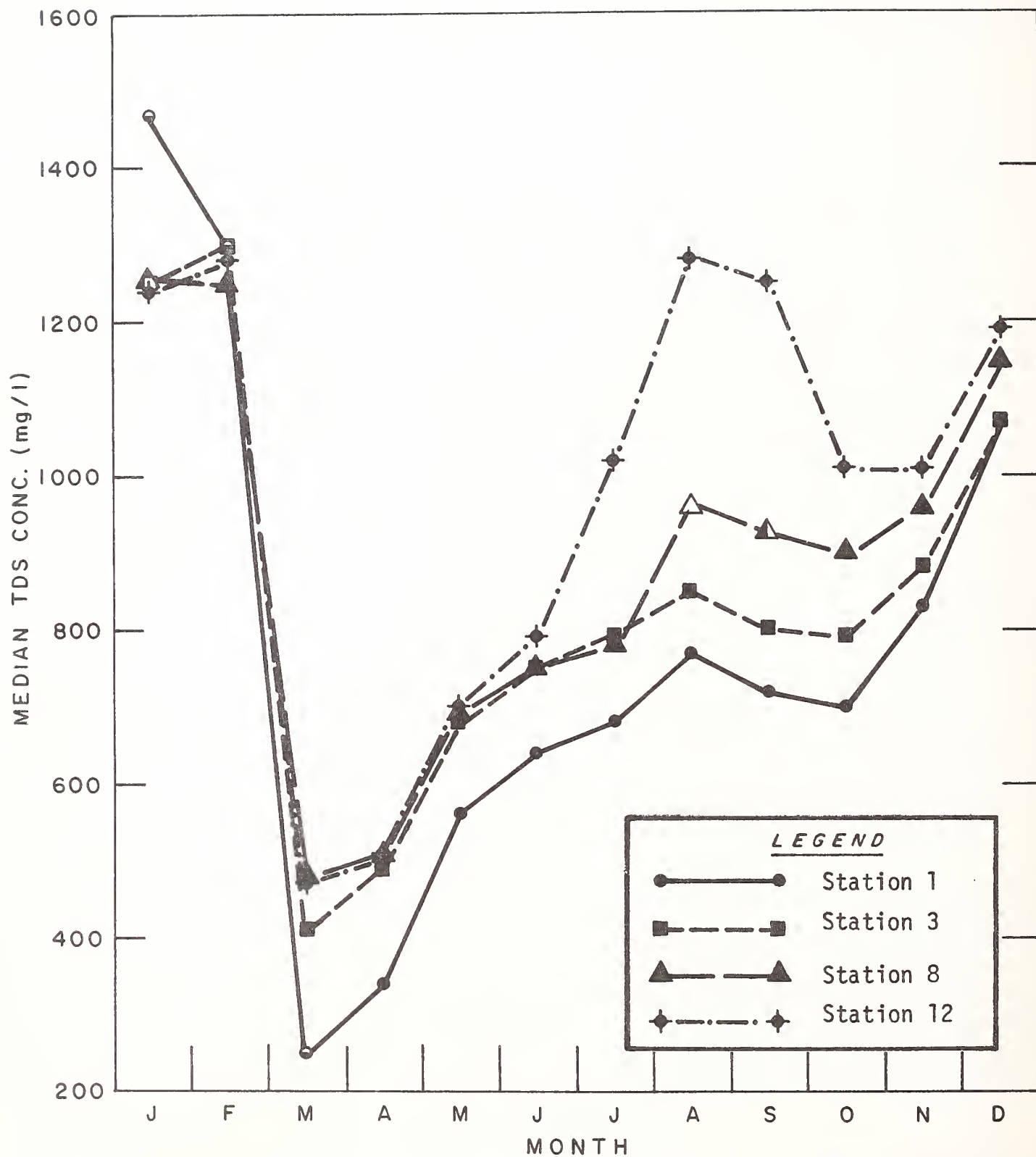


Figure V-3. Historical Concentrations of TDS in East Poplar and Lower Poplar Rivers (Scenario Group A) (See Figure I-1 for Station Locations)

ii. Upper Poplar River

Figure V-5 illustrates expected boron levels for this reach of the system under the historical senario. Although the lower station data were flow limited during July through September, concentrations from 0.7 mg/l during spring runoff to 1.3 mg/l during the winter were predicted.

iii. East Poplar and Lower Poplar River

As with TDS, both the predevelopment and historical scenarios yielded very similar predictions (Figure V-6). In late winter, the levels range from a maximum of 2.9 mg/l at the border to 1.3 at the lowest station. During the summer, values from 1 to 1.5 mg/l could be anticipated.

The East Fork reservoir tended to equalize median monthly values at the International Boundary with ranges of 1.4 to 1.7 mg/l. This modifying impact decreased downstream to near the mouth of the Poplar River where little change was noted.

d. Sodium Adsorption Ratio

SAR median monthly trends for the historical scenario are shown on Figures V-7, V-8 and V-9.

The West Fork tended to have higher SAR levels particularly near the confluence with the Poplar where 9 to 9.6 were predicted. SAR of the Poplar River ranged from just over 3 to about 6. The East Fork and the Poplar River showed incremental SAR increases from the border to the lowest station. During the irrigation season the upstream values were about 3 while downstream, 6 to almost 9 were predicted.

The reservoir on the East Fork acted as an equalizing mechanism for SAR in a manner similar to that observed for boron.

e. Sulphate

Graphs for sulphate predictions using the historical case are illustrated on Figures V-10, V-11 and V-12. The sulphate trends were analagous to those predicted for TDS.

3. Scenario Group B

a. Description of Scenarios and Stations

Group B includes scenario numbers 4,5 and 6 which represent one 300 Mw generating unit and existing, 1975 and 1985 and 2000 U.S. levels of water use respectively in the Basin. Complete predictions for SAR, sulphate, boron, and TDS may be found in Attachments 2 to 5, but this

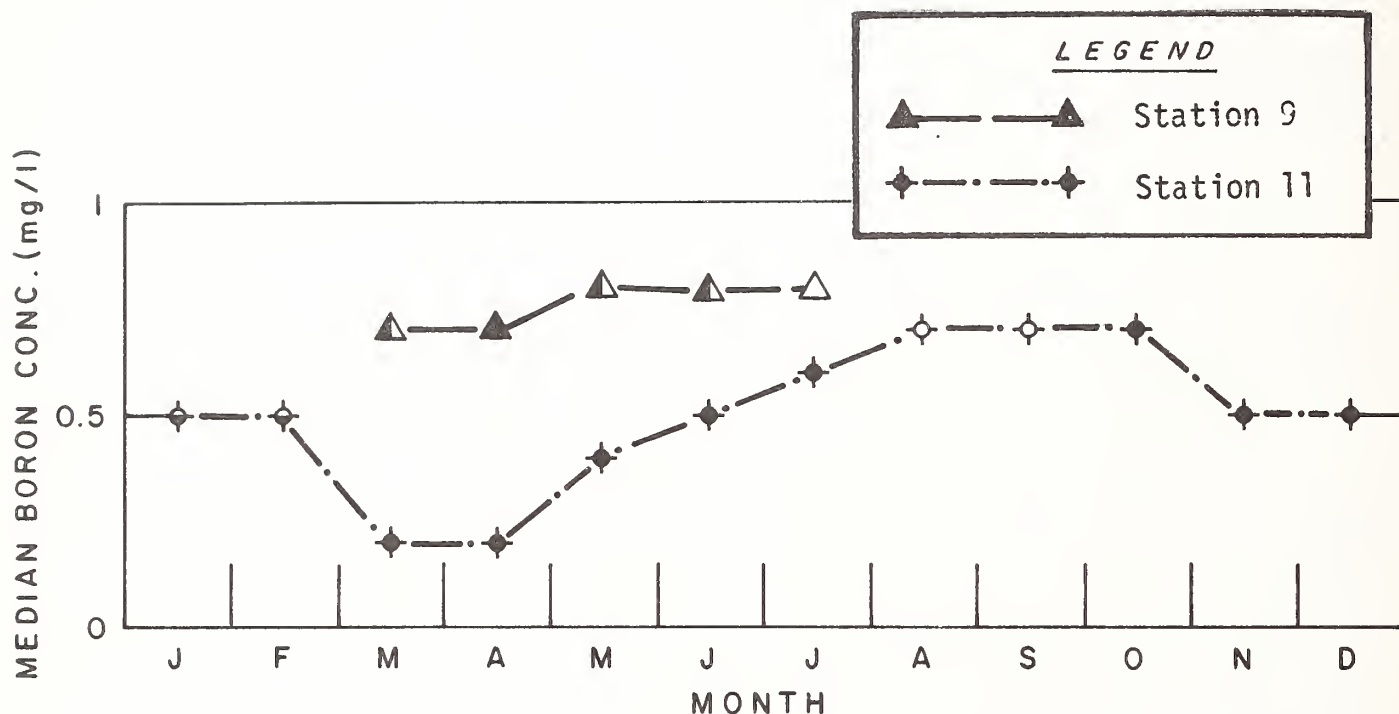


Figure V-4. Historical Concentrations of Boron in the West Poplar River (Scenario Group A) (See Figure I-1 for Station Locations)

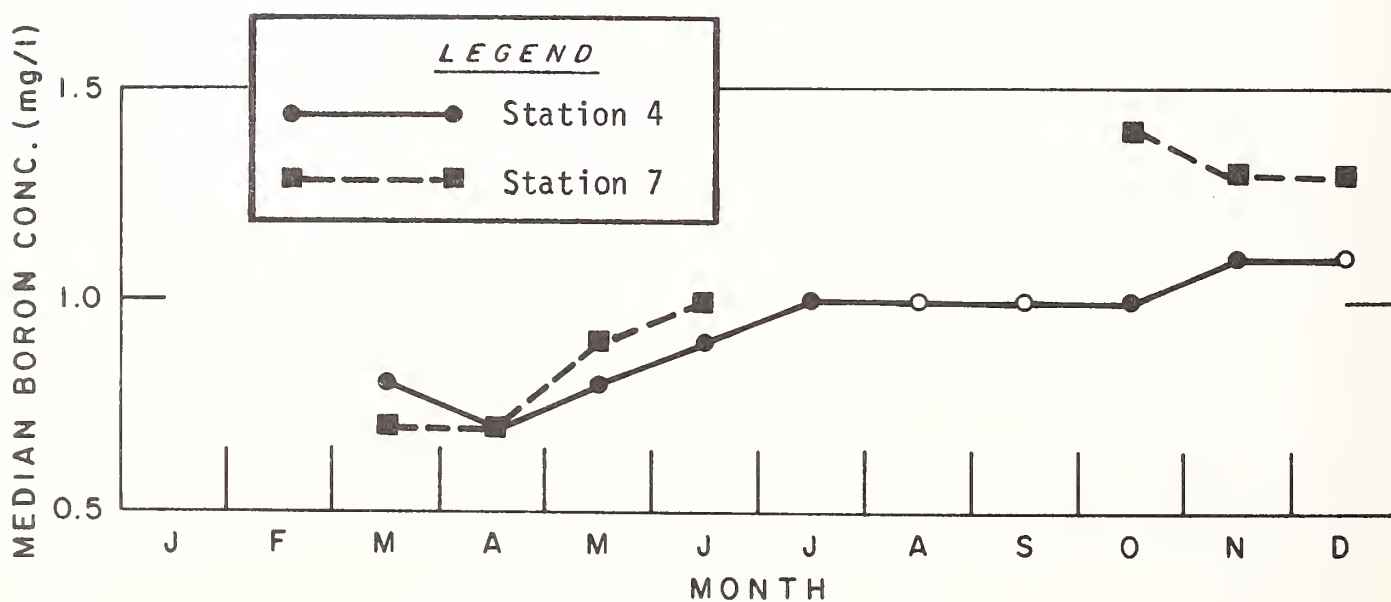


Figure V-5. Historical Concentration of Boron in the Upper Poplar River (Scenario Group A) (See Figure I-1 for Station Locations)

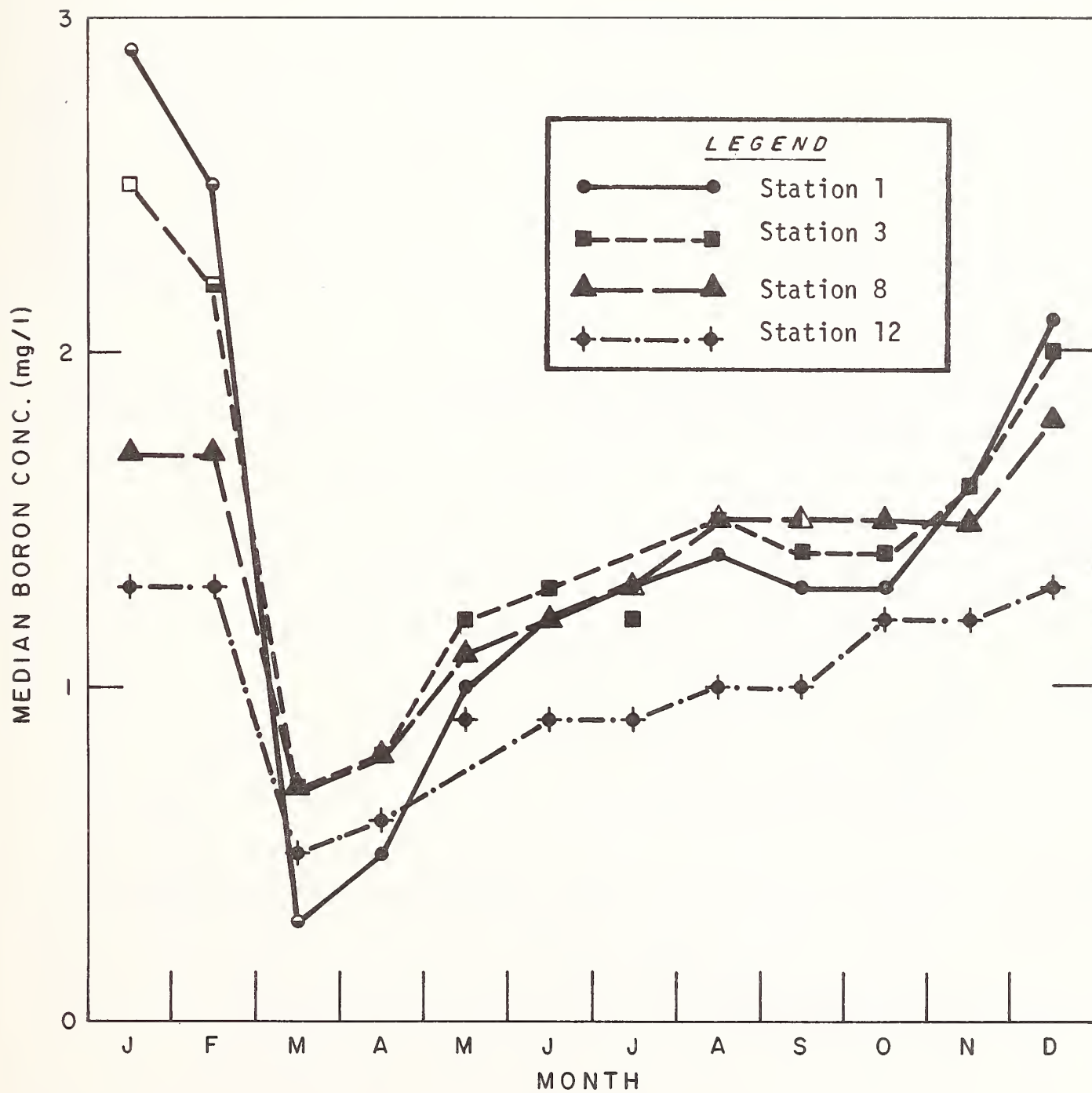


Figure V-6. Historical Concentration of Boron in the East Poplar and Lower Poplar Rivers (Scenario Group A) (See Figure I-1 for Station Locations)

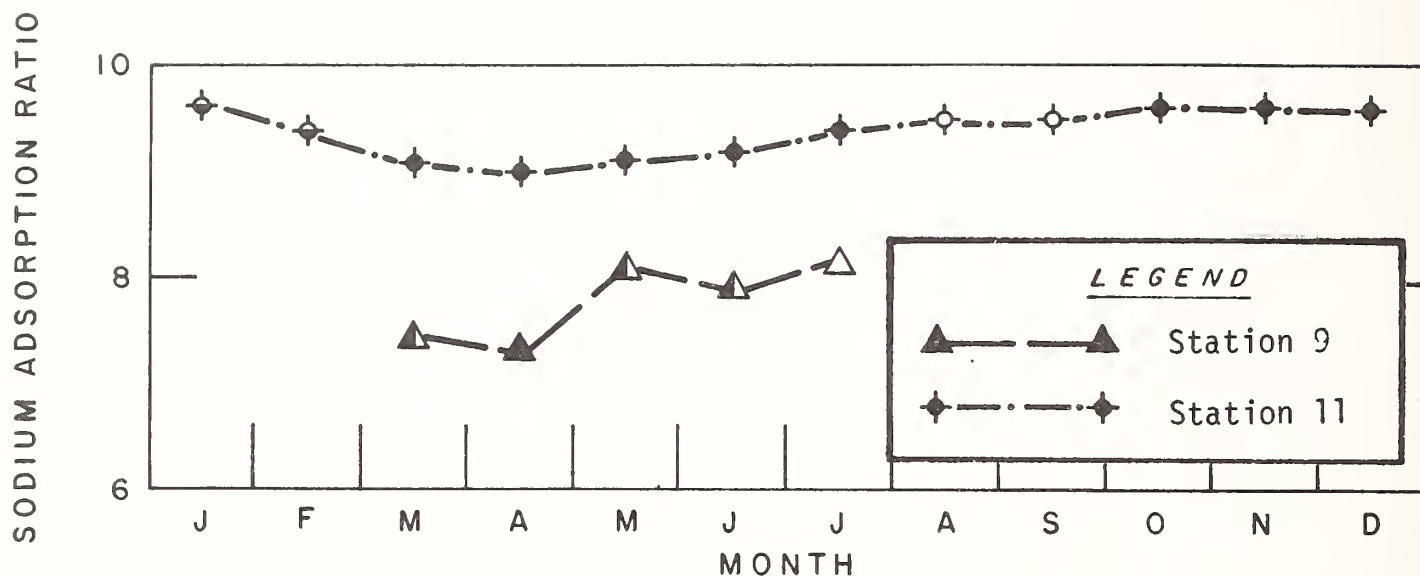


Figure V-7. Historical Sodium Adsorption Ratios in the West Poplar River (Scenario Group A) (See Figure I-1 for Station Locations)

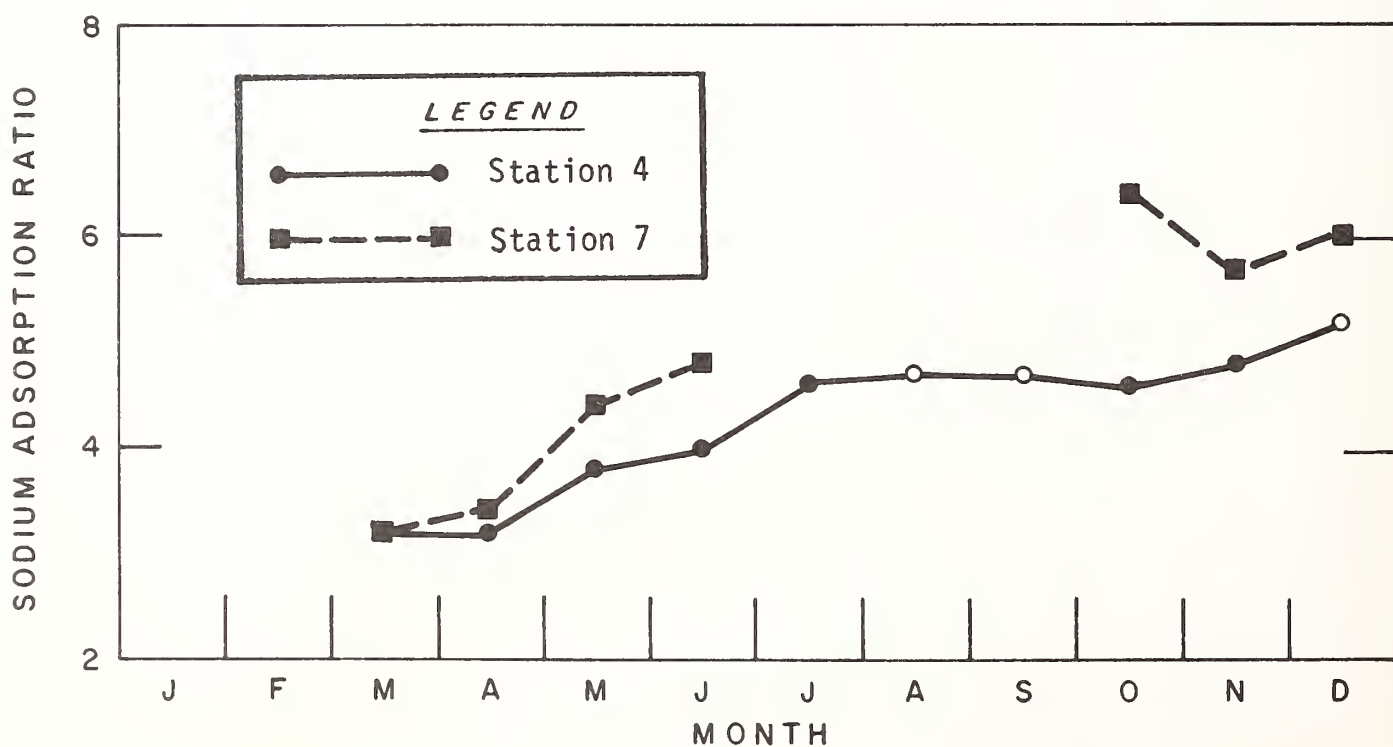


Figure V-8. Historical Sodium Adsorption Ratios in the Upper Poplar River (Scenario Group A) (See Figure I-1 for Station Locations)

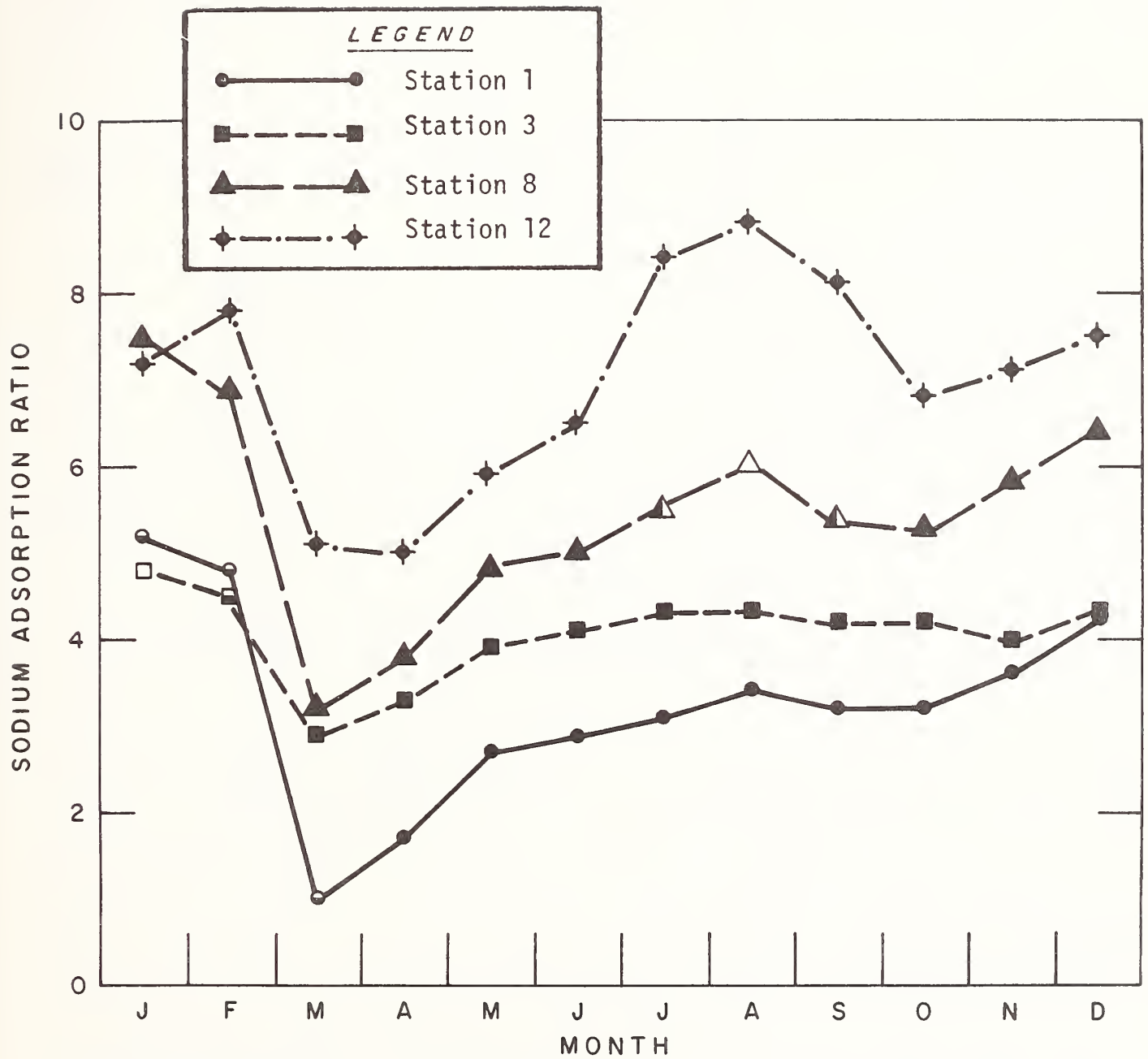


Figure V-9. Historical Sodium Adsorption Ratios in the East Poplar and Lower Poplar Rivers (Scenario Group A) (See Figure I-1 for Station Locations)

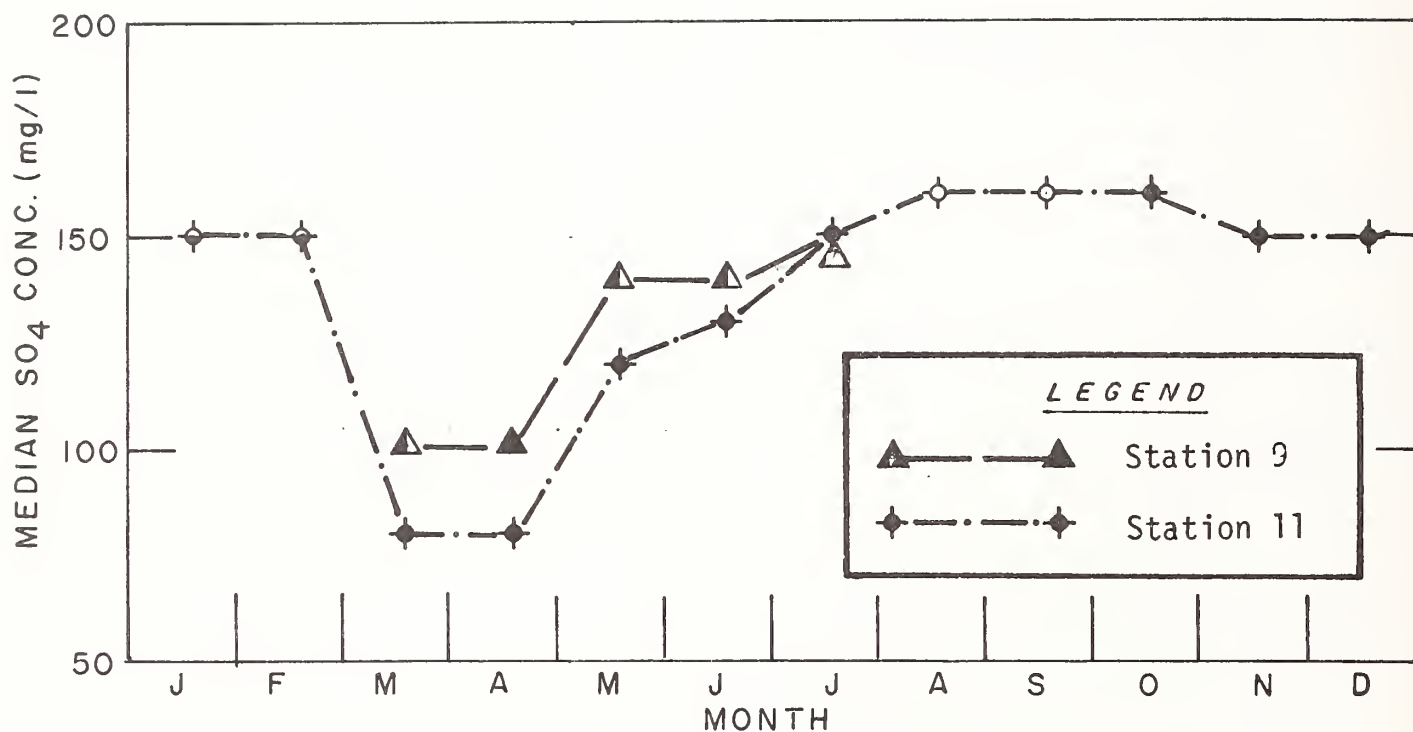


Figure V-10. Historical Concentrations of Sulphate in the West Poplar River (Scenario Group A) (See Figure I-1 for Station Locations)

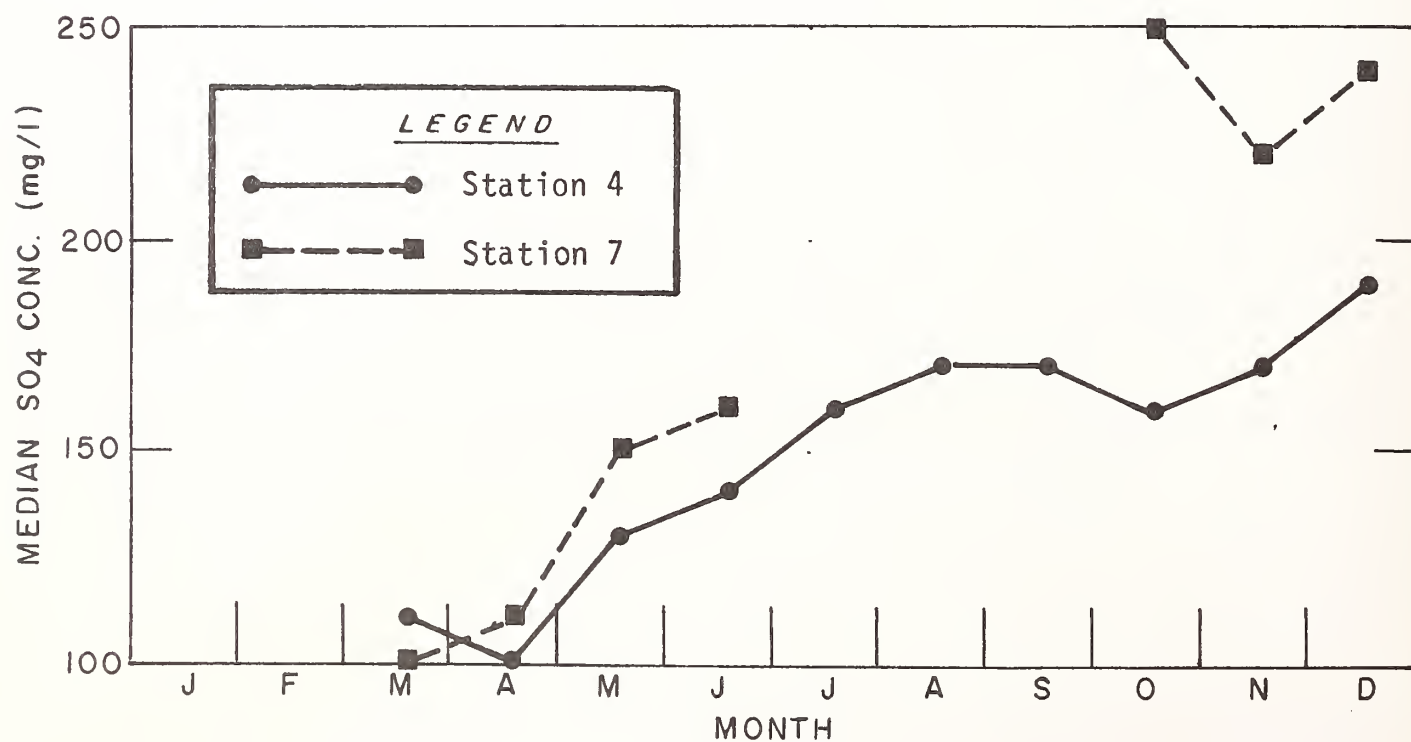


Figure V-11. Historical Concentrations of Sulphate in the Upper Poplar River (Scenario Group A) (See Figure I-1 for Station Locations)

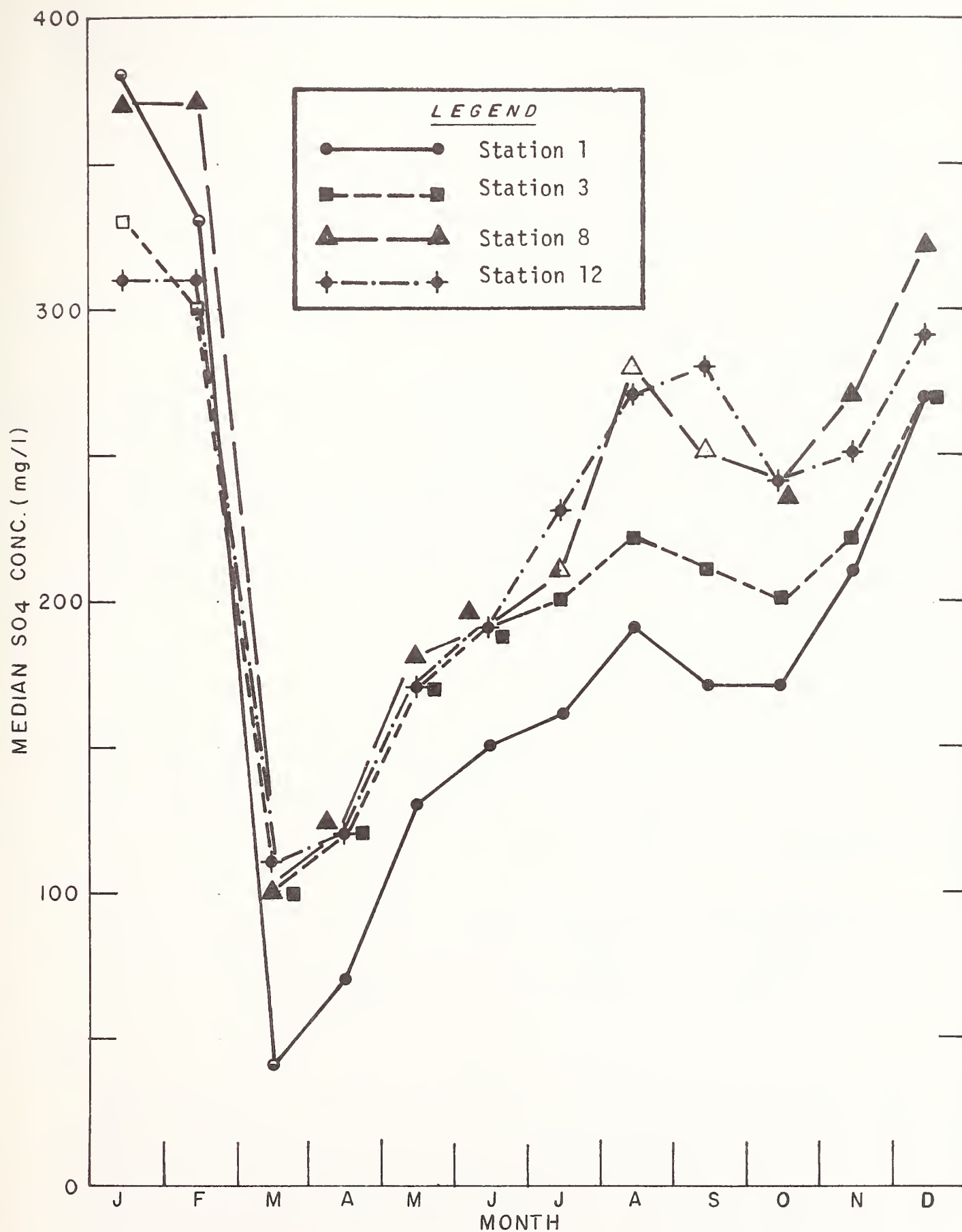


Figure V-12. Historical Concentrations of Sulphate in the East Poplar and Lower Poplar Rivers (Scenario Group A) (See Figure I-1 for Station Locations)

discussion will be restricted to boron and TDS. SAR will not be discussed because as mentioned earlier it cannot be modelled accurately. Sulphate is not discussed because it behaved similarly to TDS and is not expected to be a problem for water users.

The discussion will concentrate on the stations where water quality will have the most impact on the uses in the United States' portion of the Basin. The stations affected by the SPC development are the two East Poplar stations and the two Poplar stations below the confluence with the East Poplar. Also affected by development are the stations on the West Poplar and Poplar Rivers above the confluence with the Poplar and East Poplar Rivers, respectively. These stations are influenced by other water uses in the Basin and are representative of the quality of water which will be available for major irrigation uses in the United States.

Scenario 4, existing use, was selected to demonstrate scenario group B because the differences at any station between scenario 4,5 or 6 are generally less than the error associated with the predictions. Furthermore, scenario 4 represents concentrations which are expected to occur in 1979 when SPC begins operation. Also with the higher level of water usage expected in years 1985 or 2000, there are many stations and months when the flow in the U.S. portion of the Basin will be less than 0.5 cfs and therefore the quality was not modelled. The number of months with insufficient flow are the least with scenario 4 and the number of data points making up each predicted number are maximized.

b. Total Dissolved Solids

i. East Poplar River

At station 1, East Poplar River at International Border, the concentration of TDS will have a limited range between 900 and 1000 with the lowest concentrations during spring runoff in April and the highest concentrations in the winter months (Figure V-13). These stable levels reflect the equilizing effect of Morrison Reservoir.

At station 3 (East Poplar River near Scobey) the projected levels of TDS are similar to those expected of station 1 except that during spring runoff concentrations will fall to 600 mg/l and 800 mg/l in March and April, respectively. These lower TDS levels are the result of dilution by water in downstream tributaries such as Cow Creek and groundwater.

ii. Poplar River

For most of the year at the Poplar River above the confluence with the East Poplar River (station 7), the flow will be insufficient to make quality predictions. Significant flow is only predicted for the May through June and the October through December periods. In spring TDS levels are expected to start at about 550 mg/l and climb to 700 mg/l (Figure V-14). In the three low flow months when flow is significant, median TDS concentrations will range from 850 to 950 mg/l. It should be noted that, with scenario 6, at this station, TDS concentrations in December and January will reach 1240 mg/l.

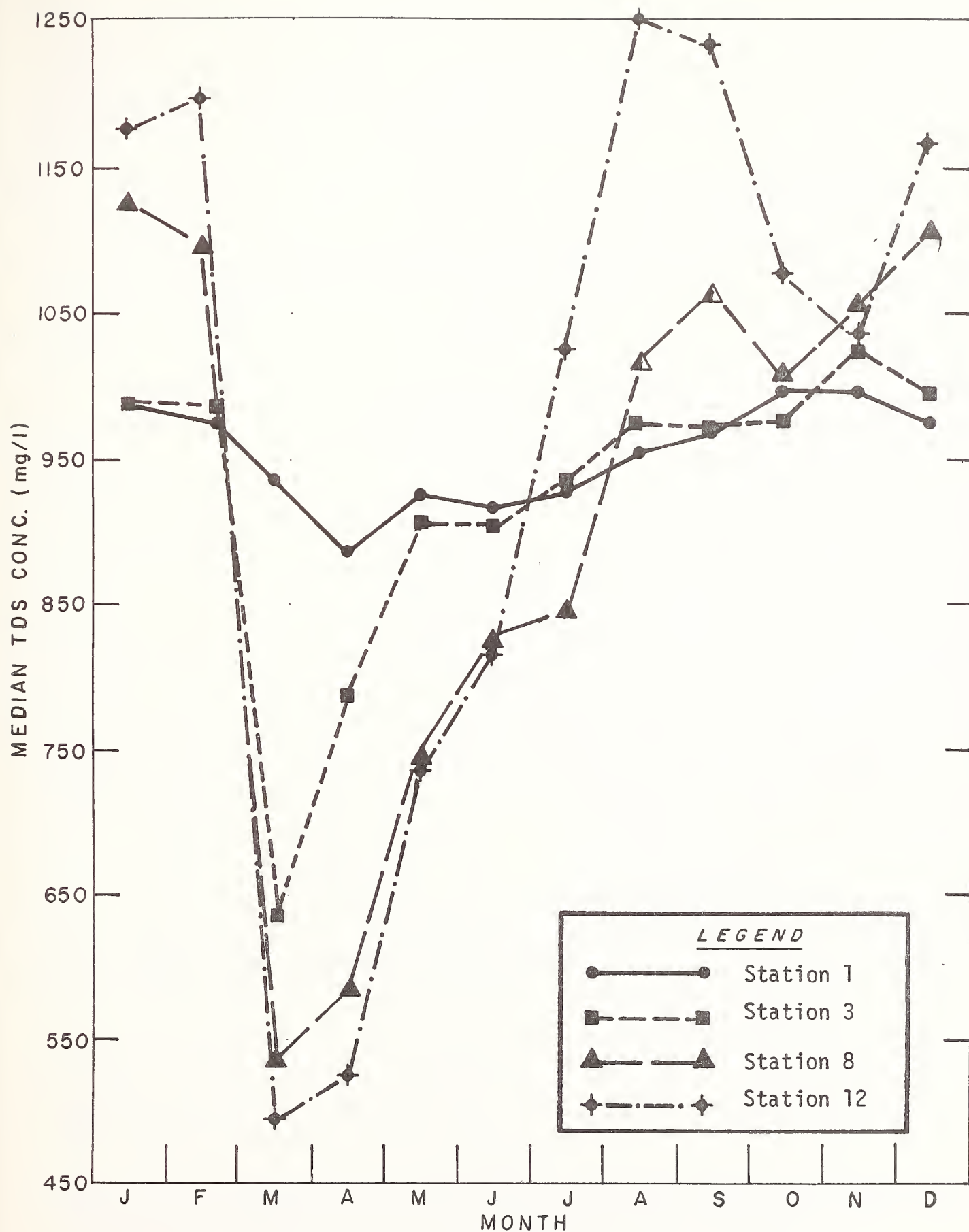


Figure V-13. Predicted Concentrations of TDS in the East Poplar and Lower Poplar Rivers with One Generating Unit and Existing Use (Scenario Group B) (See Figure I-1 for Station Locations)

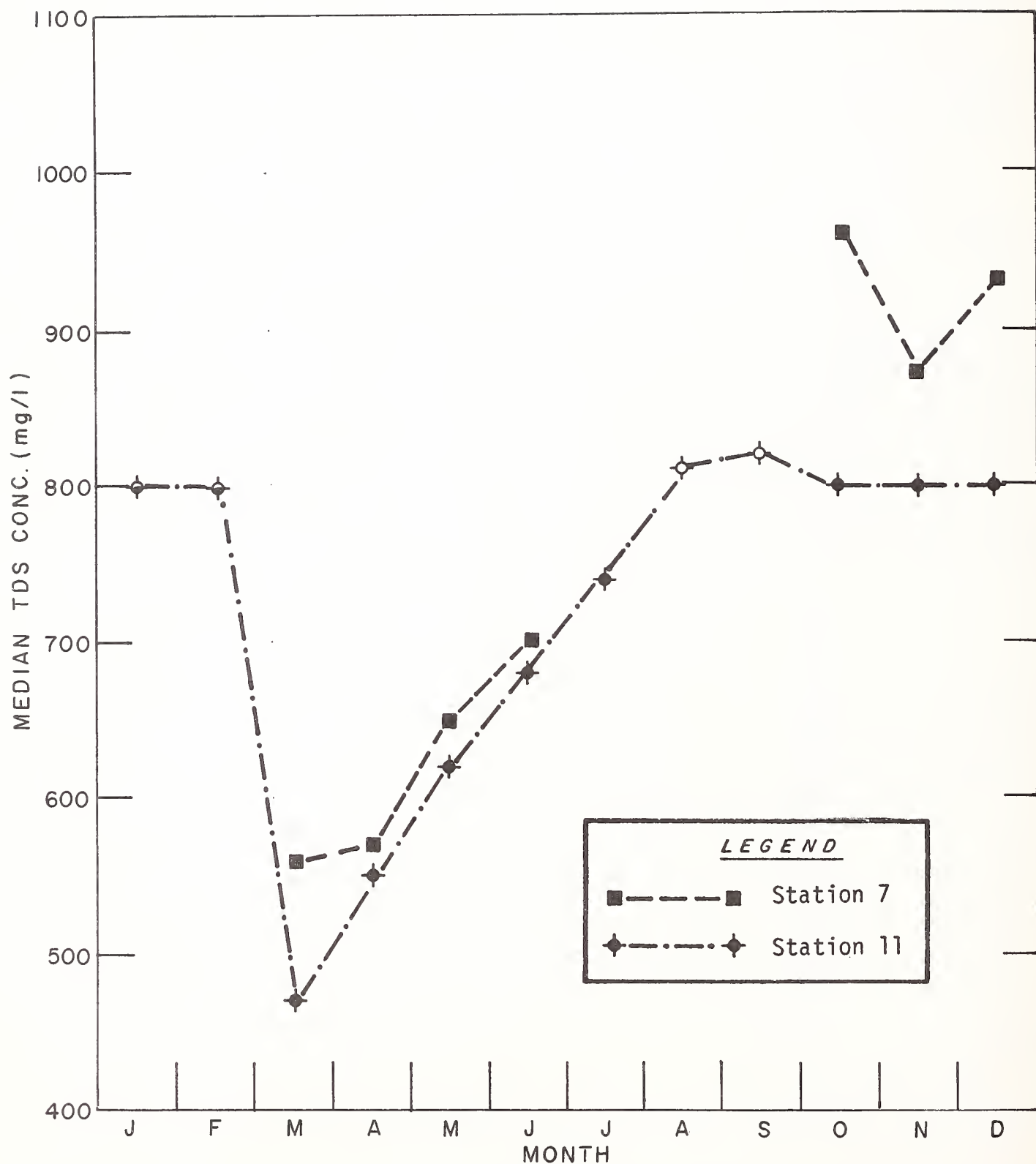


Figure V-14. Predicted Concentrations of TDS in the West Poplar and Poplar Rivers with One Generating Unit and Existing Use (Scenario Group B) (See Figure I-1 for Station Locations)

Further downstream, after the confluence of the East Poplar and Poplar Rivers, the effect of dilution from downstream tributaries and salts entering the water as a result of U.S. uses is noticeable. At station 8 (Poplar River near Scobey), median TDS levels will range from 1000 to 1100 mg/l during winter months. During spring runoff, TDS concentrations will fall to about 500 and climb to about 800 during early summer.

At station 12 (Poplar River near Poplar, Montana) median TDS will rise to 1000 to 1250 mg/l during all seasons except spring with the highest concentrations occurring in January, February, August, September and December. The high concentrations in August and September are due to salts being added by U.S. uses. TDS levels in the spring will fall to 500 mg/l and climb to 1000 mg/l by July.

iii. West Poplar River

Near the mouth of the West Poplar River (station 11) TDS concentrations are expected to remain in the 700 to 800 mg/l range except for spring when the levels will fall to about 450 mg/l in March and climb to 600 mg/l in May (Figure V-14).

c. Boron

i. East Poplar River

In the East Poplar River at the International Boundary boron levels will be in the 4 to 5 mg/l range in all months except January, February and December when the levels will be about 6 mg/l (Figure V-15).

Near Scobey (station 3), boron concentrations in the East Poplar River reflect the dilution from tributaries in the United States. At this location January and February boron levels will be about 6 mg/l, but as a result of the dilution by water inputs in the United States, the levels will fall to 1.5 mg/l in March.

ii. Poplar River

At the International Boundary in the months when there is sufficient flow to model water quality, boron concentrations are expected to be in the range of 0.5 to 1.5 mg/l with the highest concentrations occurring in the autumn and winter months (Figure V-16).

Below the confluence with the East Poplar River, boron concentrations will rise to about 4 mg/l in December and January, between 1 and 2 mg/l in spring and early summer, and between 2 and 3 thereafter. The increased concentrations at this station result from the increased load added by the SPC project via the East Poplar River.

Boron concentrations in the Poplar River near its mouth (station 12) will be less than upstream values and be relatively stable throughout most of the year as a result of dilution by a number of tributaries including the

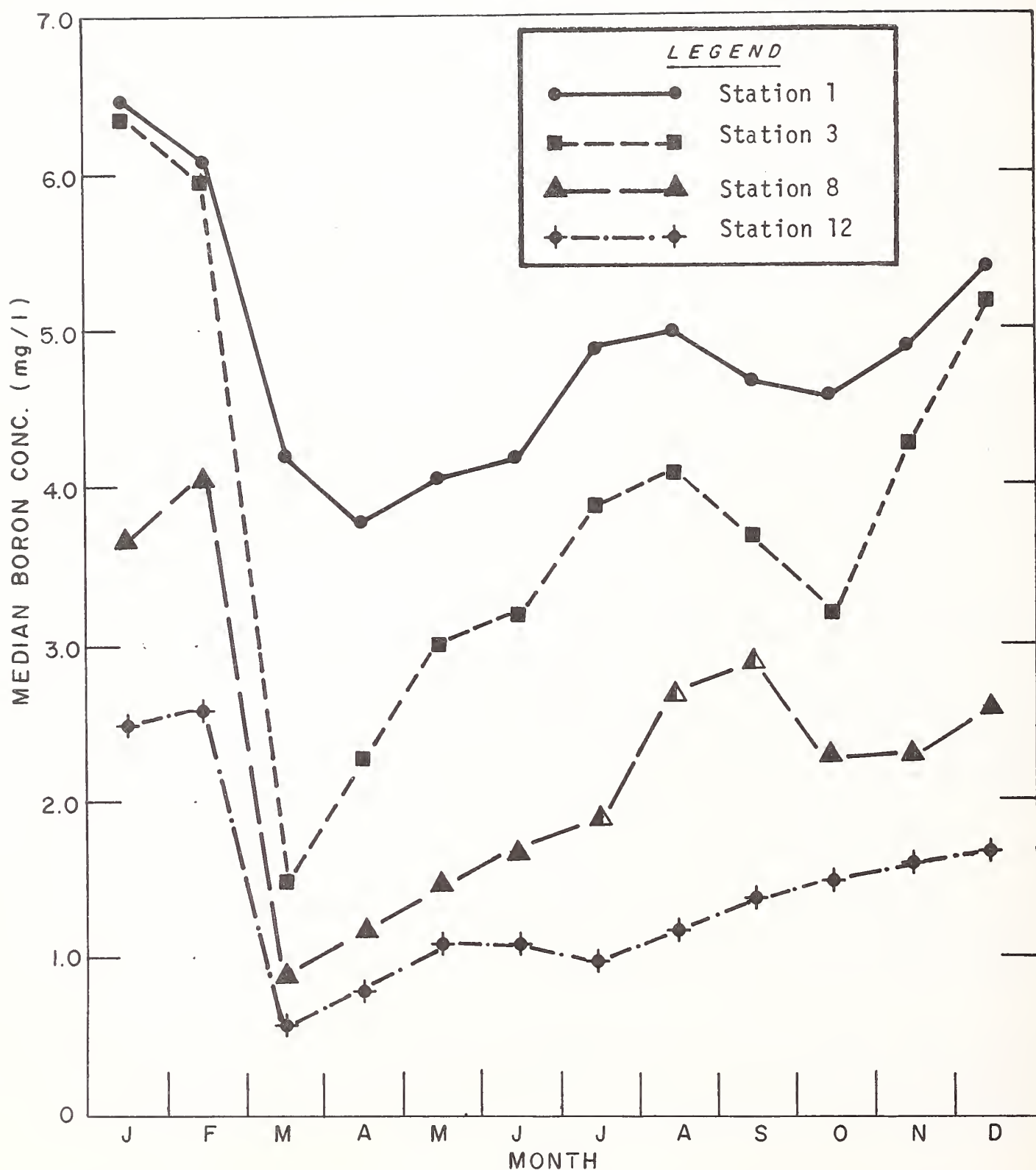


Figure V-15. Predicted Boron Concentrations in the East Poplar and Lower Poplar Rivers with One Generating Unit and Existing Use (Scenario Group B) (See Figure I-1 for Station Locations)

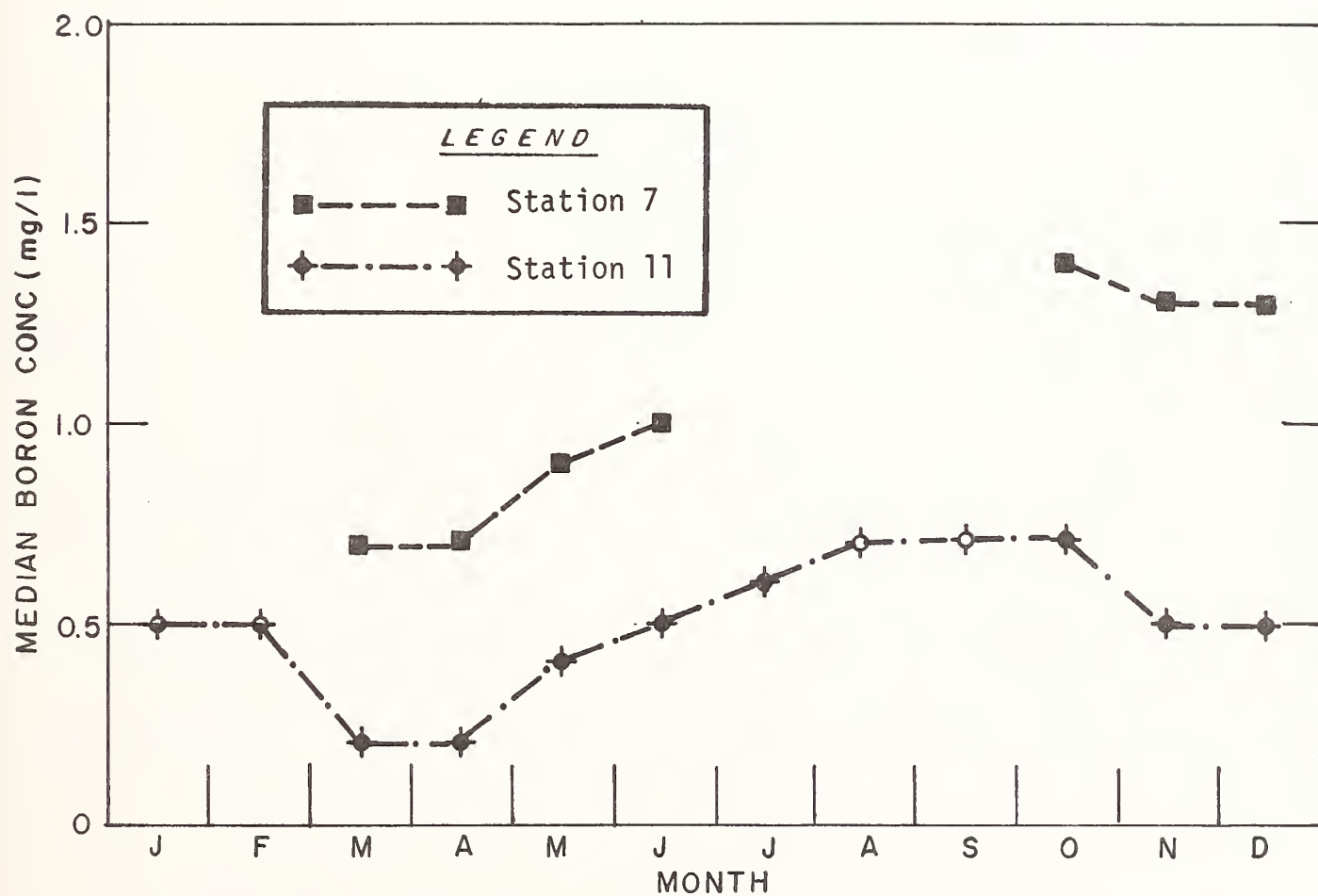


Figure V-16. Predicted Boron Concentrations in the West Poplar and Poplar Rivers with One Generating Unit and Existing Use (Scenario Group B) (See Figure I-1 for Station Locations)

West Poplar River. Except for January and February when the concentration is expected to be about 2.5 mg/l and the runoff period when concentrations of 0.5 mg/l are expected, levels are predicted to be in 1 to 2 mg/l range. With scenarios 5 and 6 the boron concentrations will be similar to scenario 4 for the period April through September but for the rest of the year there is insufficient flow at this station to model water quality.

iii. West Poplar River

Near its mouth, the West Poplar River will have boron levels throughout the year in the range of 0.25 and 0.75 mg/l with the lower values occurring in March and April and the higher values in August through September.

4. Scenario Group C

a. Description of Scenarios

This group includes scenarios 7, 8, 9, 10, 11 and 12. All of these have two units as a base, but whereas scenario 7 uses 1975 levels of development both in Canada and the United States, scenario 8 uses 1985 levels in both countries, and scenario 9 uses the 2000 level in the United States and the 1985 level in Canada.

Scenarios 10, 11 and 12 have the same levels of usage in the United States but assume full use by Canada of its apportioned share. On the East Poplar it is assumed that Canadian usage increases from 1975 levels to 1985 levels for both scenarios 11 and 12.

b. Total Dissolved Solids

At station 1 median TDS concentrations are predicted to be relatively constant with levels in the range of about 1000 to 1050 mg/l except in the spring when levels are expected to fall to about 950 mg/l (Figure V-17). Further downstream at station 3, where groundwater and tributary inputs negate the stabilizing effect of the Cookson Reservoir, spring concentrations will fall to 700 mg/l, rise to about 950 mg/l by summer and to 1050 mg/l in winter. At station 8 the effect of the Poplar River water and other inputs along with U.S. water uses and associated salt pickup is to produce TDS concentrations with a wide temporal variation. Here TDS concentrations at the beginning and end of the year will approximate 1150 mg/l, fall to about 550 mg/l in March and climb to about 1050 mg/l by July. At the mouth (station 12), the Poplar River exhibits the same pattern as at station 8, except that August and September TDS levels will increase to about 1250 mg/l as a result of water use and salt pickup in the lower Basin.

c. Boron

Boron concentrations decrease in magnitude and increase in variability with distance from the SPC operation (Figure V-18). During the irrigation season boron levels at station 1 will range from 6 to 8 mg/l, while at the beginning of the year about 11 mg/l of boron will be present. At station 3, with dilution from relatively boron-free water in the U.S., boron levels will be about 2 mg/l in spring, about 6 mg/l in August, and by winter rise to station 1 levels. Below the confluence with the main stem,

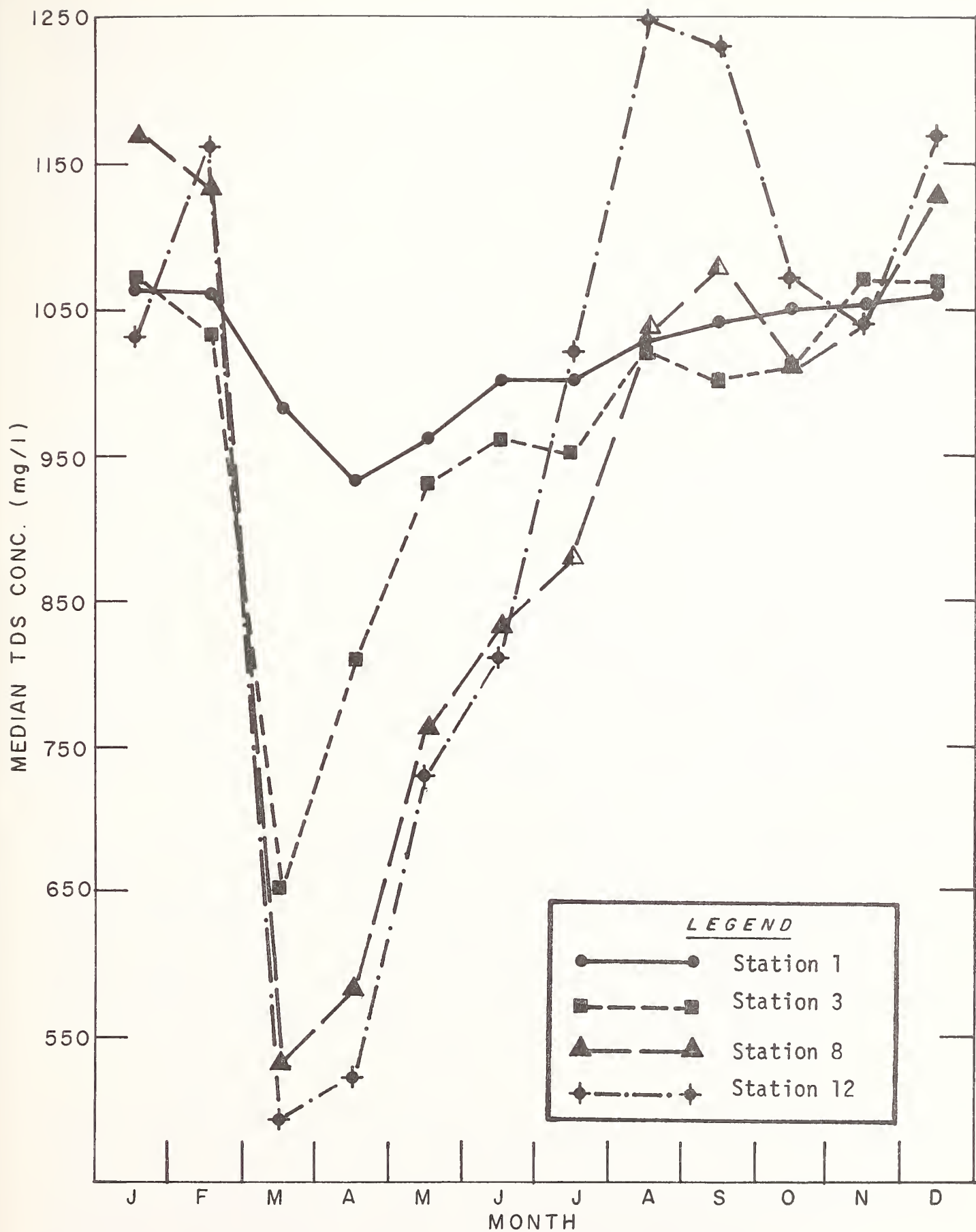


Figure V-17. Predicted Concentrations of TDS in the East Poplar and Lower Poplar Rivers with Two Generating Units and 1985 Level Use in Canada and the United States (Scenario Group C) (See Figure I-1 for Station Locations)

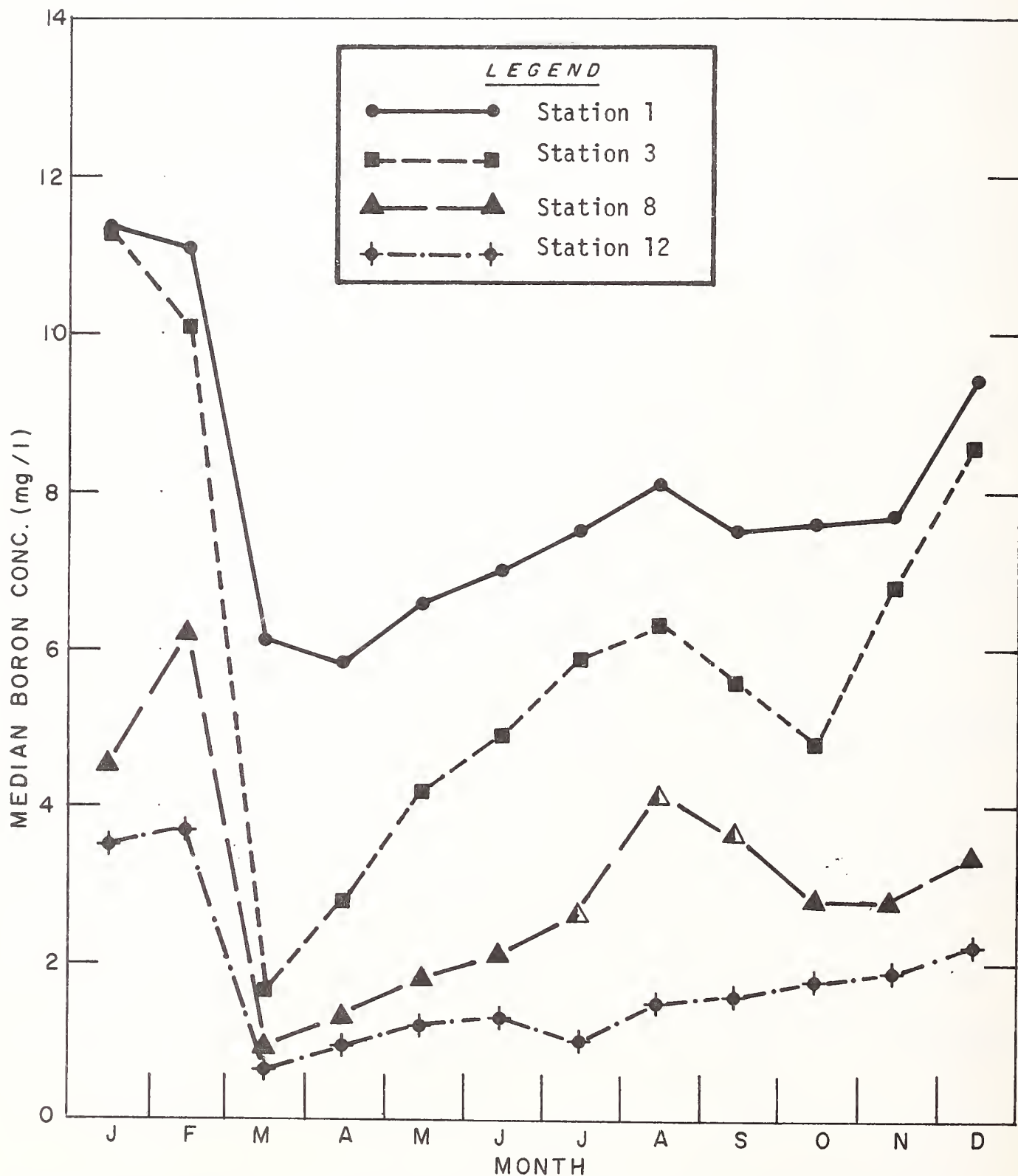


Figure V-18. Predicted Concentrations of Boron in the East Poplar and Lower Poplar Rivers with two Generating Units and 1985 Level of Water Use in Canada and the United States (Scenario Group C) (See Figure I-1 for Station Locations)

boron from the SPC project is diluted to levels well below the upstream stations.

Irrigation season concentrations of boron in the lower Poplar River will range from 1 mg/l in March to 4 mg/l in August. At station 12 there will be sufficient dilution by relatively boron-free water to hold the boron levels in the 1 to 2 mg/l range except for late winter when levels of 4 mg/l are expected.

5. Scenario Group D

a. Description of Scenarios

This grouping considers the effect of a two unit operation with full apportionment and increasing water utilization. The salt load is treated in a non-conservative fashion, i.e. any water diverted is assumed to remove a corresponding portion of dissolved solids so that the salt concentration of the remaining stream remains constant. Three use levels are modelled in this grouping: 1975 utilization, 1985 utilization, and finally the uses projected for Canada in 1985, and for the U.S. in 2000.

b. Total Dissolved Solids

Projected TDS levels are plotted in Figure V-19 for stations 1,3,8 and 12. The expected seasonal variation is observed, with concentrations at all stations reaching a minimum (480 to 960 mg/l) during March and April; although the spring reduction at station 1 will be much less than at the other sites. All stations show elevated TDS readings (1100 to 1210 mg/l) during the winter low flow periods and again during August and September (1030 to 1260 mg/l) due to the effects of irrigation returns. Station 12 at the mouth of the Poplar shows the accumulated effect of all the return flows and reaches a level of 1260 mg/l during August.

The 1975, 1985 and 2000 levels of water usage will produce similar TDS concentrations in months when there is sufficient water to meet the requirements. At station 1 the flow is always sufficient, and at station 3 there is usually enough water. At station 8, however, during March, August, September and October there are deficiencies about 50% of the time for the 1975 usage and up to about 90% of the time for the ultimate use scenario (15). At station 12 there is generally sufficient water to satisfy 1975 requirements, but greater projected utilization cannot be met during October to March.

c. Boron

Boron concentrations for stations 1,3,8 and 12 are shown in Figure V-20. For every month, the boron concentration will be greater at each upstream station than for any of the downstream stations. This is due to dilution effects from, successively, Cow Creek, Poplar River and West Poplar Rivers as well as to increased groundwater inflow. A seasonal trend is exhibited with boron levels reaching their maximum (3.8 to 11.1 mg/l) at each station in January and February and their minimum (0.6 to 5.5 mg/l) in March and April due to the spring runoff.

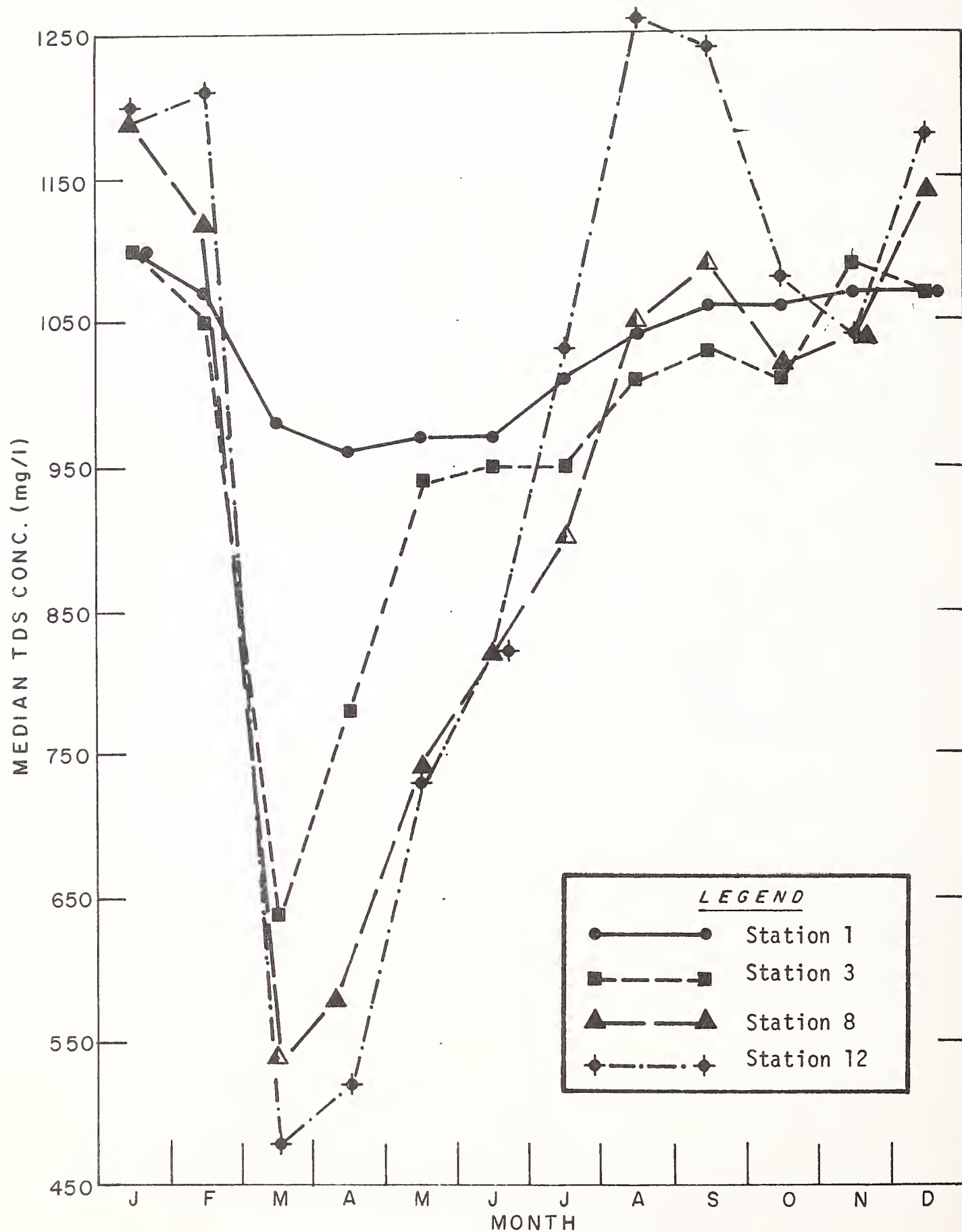


Figure V-19. Predicted Concentration of TDS in the East Poplar and Poplar Rivers with Two Generating Units, Apportionment of Water and Ultimate Water Development in the Basin (Scenario Group D) (See Figure I-1 for Station Locations)

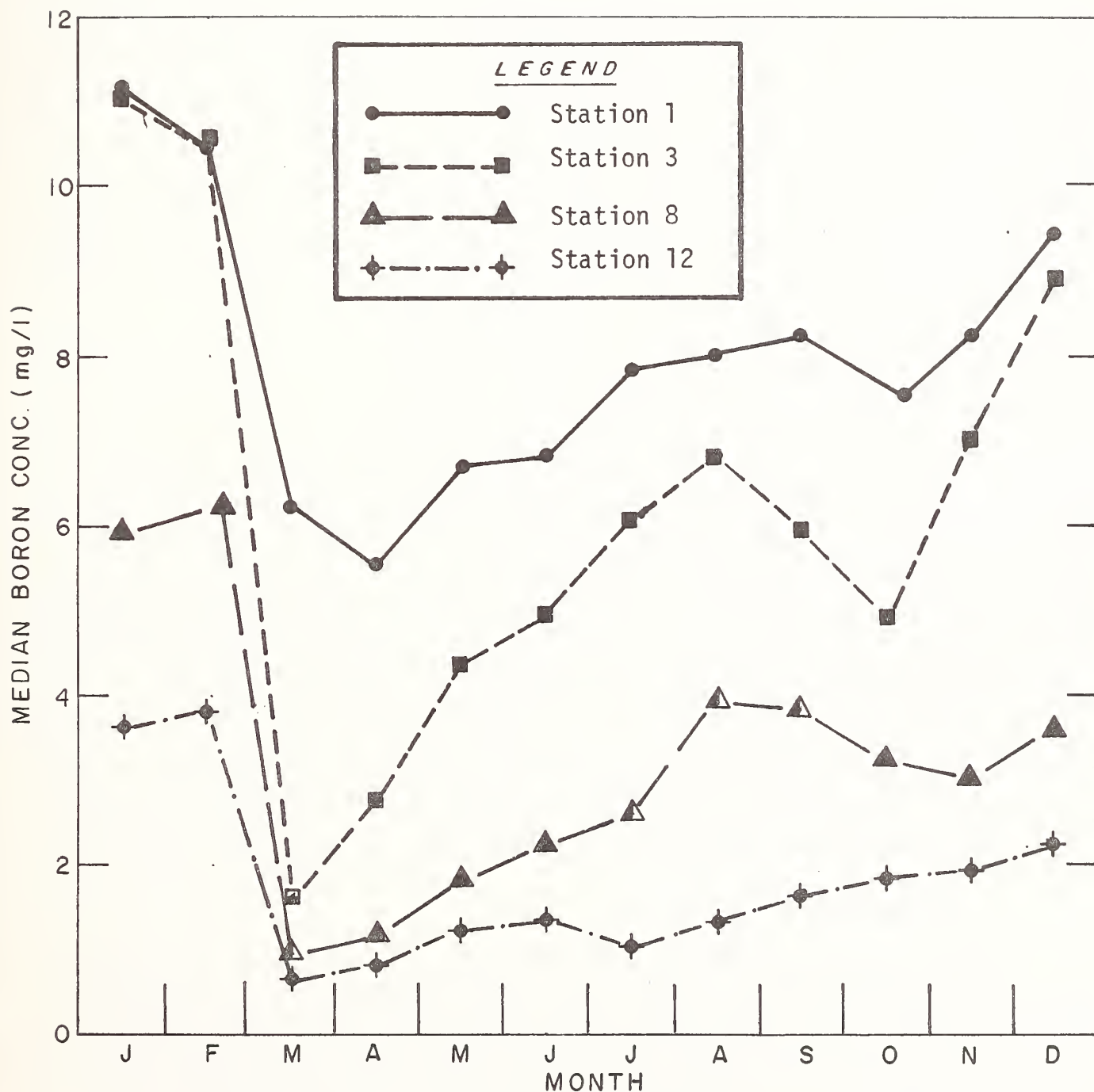


Figure V-20. Predicted Concentration of Boron in the East Poplar and Lower Poplar Rivers with Two Generating Units, Apportionment of Water and Ultimate Water Use in the Basin (Scenario Group D) (See Figure I-1 for Station Locations)

During the winter conditions the boron concentration at station 3 will be essentially the same as at station 1, but during the spring freshet the concentration at station 3 will reduce to less than 2 mg/l and approach the concentration of the downstream stations.

With increased use projections there may not be sufficient water in many years to meet the requirements at downstream stations. At the boundary there is sufficient water each year, although the boron concentrations are approximately 0.5 mg/l higher under the 1985 useage. At Station 3 there is generally sufficient water present except during the month of March when 25% of the time there is insufficient flow. At this station and downstream stations the projected boron concentration for 1985 and 2000 use levels are essentially the same as those for the 1975 development level. At station 8 there is sufficient water only 50% of the time during July, August and September for 1975 use, less than this for the increased development projections. The 1975 use requirements can be met at station 12, although for the 1985 and 2000 projections there is essentially zero flow from October to February, and demands can be satisfied only about 30% of the time during the remaining months.

6. Scenario Group E

a. Descriptions of Scenarios

Scenarios 16-21 (Group E) repeated a number of earlier scenarios but, in these cases, limited United States irrigation usage to that of Indians on the Ft. Peck Reservation. Thus, for purposes of comparison it is possible to examine water quality and quantity at the station on the West Poplar River near Bredette (Station 11) and at the station on the Poplar River near Scobey (Station 8). At these stations, comparison of scenarios 4 with 17, 17 with 18, and/or 10 with 19 (Table V-1) will permit determination of the impact of present (1975) irrigation in the United States, upstream of the reservation, on water quality and quantity at the reservation. Although the Group E scenarios considered development in the United States in year 2000, this was all assumed to occur on the reservation below stations 8 and 11 and thus permits the comparison. In addition, scenario 20 allows evaluation of the impact of the non-conservative assumption (conservative vs. non-conservative salts) when compared with scenario 18, and the effect of Canadian development when compared to scenario 21 (1975 vs. 1985).

b. Flow

Two factors affect water quantity at stations 8 and 11. During the irrigation season more flow will generally be available at these stations without upstream irrigation. However, during the winter months, flow at these stations will be slightly less than with upstream usage due to the lack of irrigation return flow. At the West Poplar River station the difference between the scenarios compared above is insignificant due to the small amount of development in the West Poplar Basin. However, the effect is greater at the Poplar River Station (Station 8). The difference in monthly streamflows between scenarios 18 and 7 have been shown in Figure V-21a. The Figure shows that the flow will increase by over 2.0 hm³ at Station 8 in March if upstream irrigation in the United States is

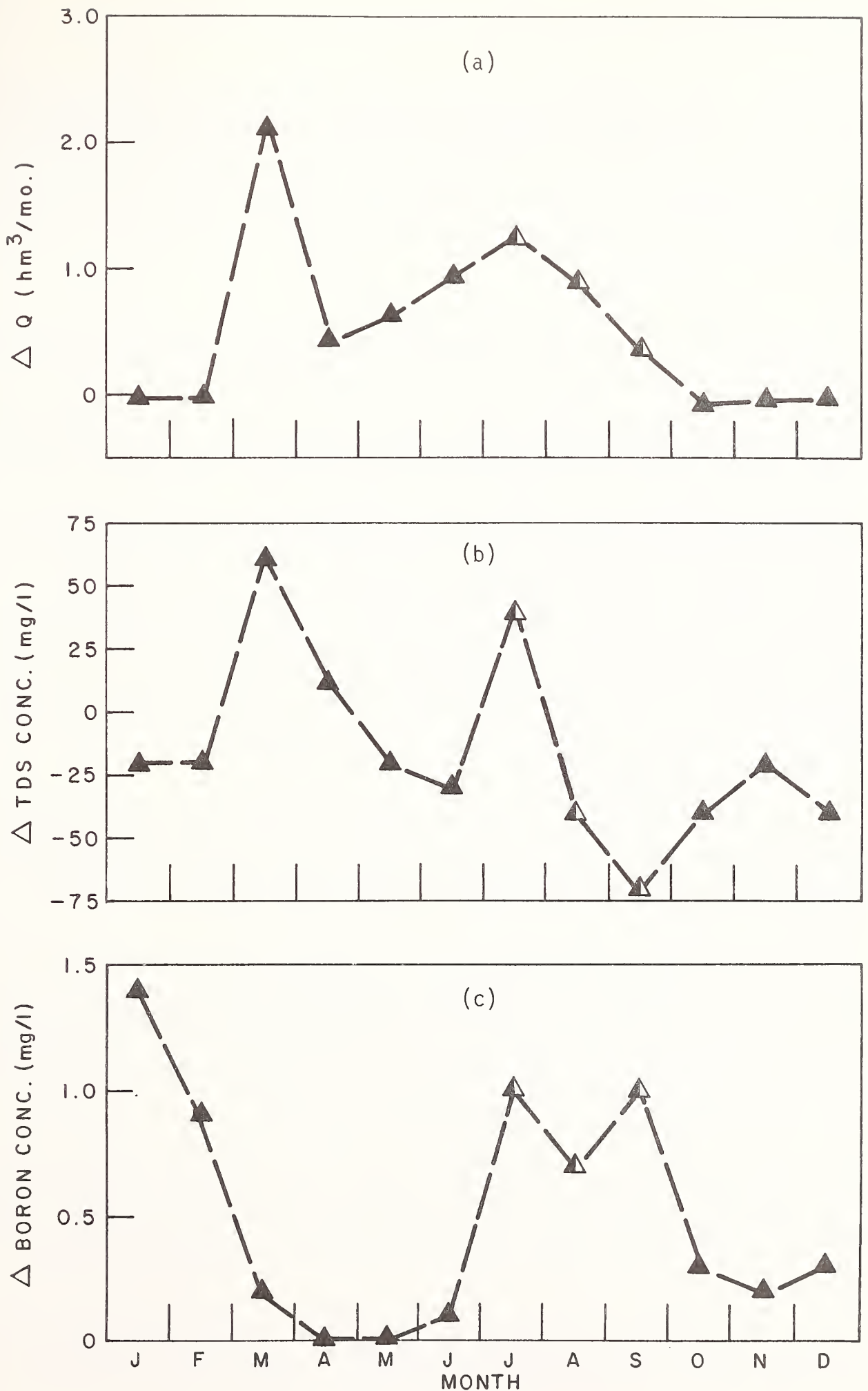


Figure V-21. Effect of Eliminating Upstream Usage in the United States on the Median Monthly Concentration of Boron and TDS and on the Median Monthly Flow in the Poplar River near Scobey

curtailed. This is an 18 percent increase in the monthly average flow at the station but probably will occur at a time when more flow is available than is necessary for irrigation. Canadian development (1985) will produce a 5 percent decrease during March and an insignificant change during the remainder of the year. Implementation of full apportionment however, will result in a maximum 30 percent reduction in the mean March flow. Differences will be insignificant from July through February.

c. Water Quality

Elimination of United States usage upstream, will have negligible effect on projected concentrations of TDS, boron and SAR at the West Poplar River station primarily due to the small amount of upstream irrigation and/or the size of incremental changes being considered. At the Poplar River Station differences may be as much as 10 percent. These differences for TDS and boron are illustrated in Figure V-21b and V-21c for the comparison between scenarios 18 and 7. March TDS concentrations will increase by about 10 percent due to the lack of groundwater quality irrigation return flow. The decrease in TDS concentration observed between August and February probably results from dilution by groundwater. Curtailing upstream irrigation results in an increased boron concentration at the station throughout the year (Figure V-21c). Since the model considers that irrigation return flow is of groundwater quality, boron values are higher when upstream diversions are curtailed since boron concentrations leaving the reservoir are generally higher than that of the diluting irrigation return flow.

C. Non-Modelled Parameters

Included in this section are those parameters for which little data are available, which are not conservative, or for which it is readily apparent that they will cause little impact and, therefore, for which the concentrations are predicted by subjective rather than quantitative methods.

To make these predictions the literature was consulted and the relationships between the parameter and variables such as flow or temperature in the Basin and similar existing installations were examined and applied. When possible, data from the SPC installation at Boundary Reservoir on Long Creek was studied for insights into how the SPC project on the East Poplar River would affect water quality. The two projects have many similarities and some differences (Table V-5).

A record has been kept since 1960 on the inflow and outflow qualities and quantities of Boundary Reservoir and a detailed study on water in the area was carried out in 1975-76 (Souris River Basin Study, 1978). These data are particularly useful for determining how parameters such as nitrogen and phosphorus in the East Poplar River will be affected by Cookson Reservoir.

For parameters for which the available information was of limited assistance in making predictions, judgements were made on the basis of the knowledge of the Committee and its consultants.

Table V-5. Comparison of Some Physical Features of SPC's
Boundary and Coronach Thermal Generating Stations

	<u>Boundary</u>	<u>Coronach</u>
Generating Capacity MW (year)	132(1959), 282(1969), 432(1970), 582(1973), 882(1977)	300(1979), 600 (Future)
Reservoir area ₃ (km ²) capacity (m ³)	5.99 60.4 x 10 ⁶	6.50 37 x 10 ⁶
Water Source mean flow-m ³ /s 1960-1976	Long Creek 1.50	East Poplar River 0.85
Mean Dissolved Solids in Water Supply mg/l	802	907
Seasonal Distribution of total annual flow	91% in March through June	84% in March through June
Mean Annual Reservoir Replacement 1960-1976*	79%	57%

* Calculated by determining the percent reservoir replacement in each year of the 1960-76 period and taking the mean of the 16 replacement percentages

1. Temperature

Water temperature is determined largely by climatic conditions, water surface area to volume ratio, and the temperature of the water source. Development in the Poplar River Basin will not significantly affect climatic conditions, but the SPC project and the operation of a water apportionment agreement will alter the volume of stream flow (Attachment 1) which could alter the area to volume ratio. Furthermore, the major source of the East Poplar River for part of the year will be the warm Cookson Reservoir rather than relatively cold groundwater. Similarly, in some scenarios, the Poplar River above the East Poplar is assumed to be controlled by a reservoir in Canada.

Spraggs (1978) modelled the impact of a two-unit SPC plant on the temperature of the East Poplar River and concluded that for discharges from the Reservoir of less than 250 cfs the river temperature would return to normal by the time it reached the International Boundary. Spraggs' conclusions have been accepted by the Committee. Usually, discharges from Cookson Reservoir greater than 250 cfs will not occur when SPC's plant is operating because the reservoir will be able to capture peak flows. Furthermore, some mixing of the cold runoff water with the warm reservoir water can be expected, and will reduce the temperature of the reservoir spill.

No studies have been made of the impact on the temperature of the Poplar River of a reservoir in Canada. However since this reservoir would be simply for storage, the temperature of releases from it are expected to be similar to that which normally occurs in the water or to attain historic river temperature by the time it reaches the border.

For the purpose of determining if Basin development will affect stream temperatures by altering flows, only two development scenarios are considered. These are scenario 8 the most likely development, and scenario 12, which will consume the most water and result in minimum flows. The impact on water temperature of other developments should be bracketed by these scenarios.

Historically, the temperature of water in the Basin is independent of flow (Figures V-22 and V-23), which indicates that climatic and diurnal conditions will determine water temperature (Tables V-6 and V-7). At station 12 there will be many months of insignificant flow in scenario 8 and in scenario 12 all months will have insignificant flow. If the river is reduced to a few semistagnant pools, the water temperature can be expected to be significantly elevated during warm sunny days, and the river will freeze deeper during the winter.

2. Dissolved Oxygen

The DO content of water is determined by water temperature, photosynthesis, biological decay and respiration, atmospheric reaeration and the volume of water. As discussed in the previous section, water temperature is not expected to be affected except at the station near Poplar, Montana under scenario 12. Biological decay and respiration in

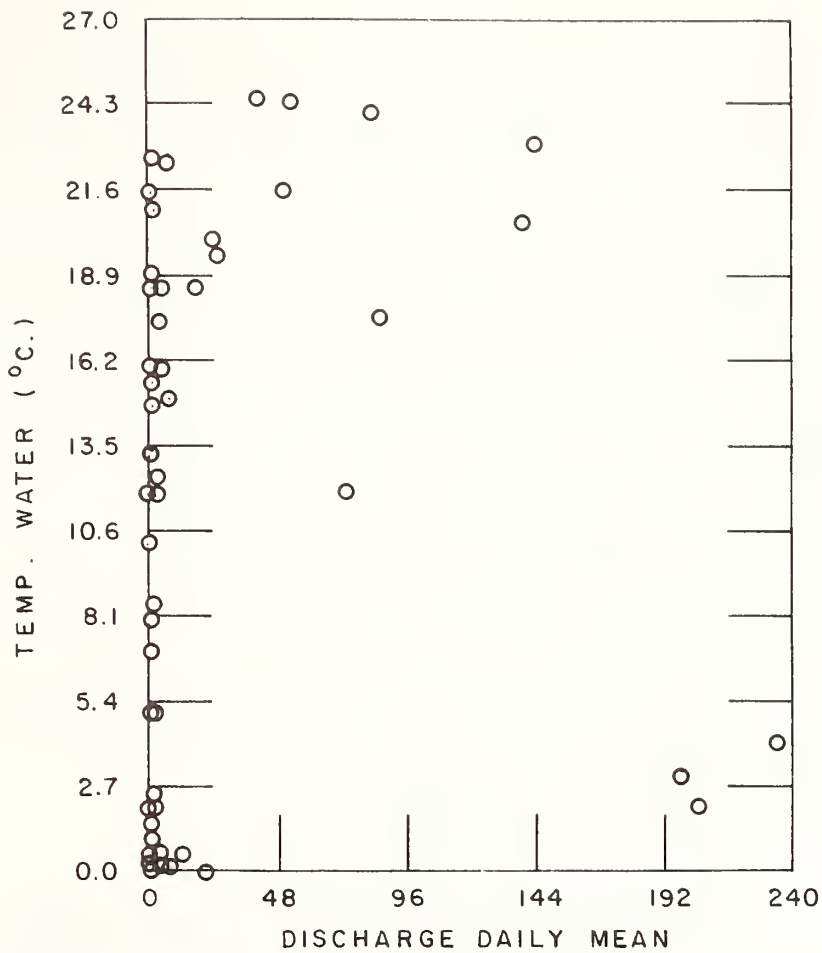


Figure V-22. Water Temperature vs. Discharge
East Poplar River at International Boundary

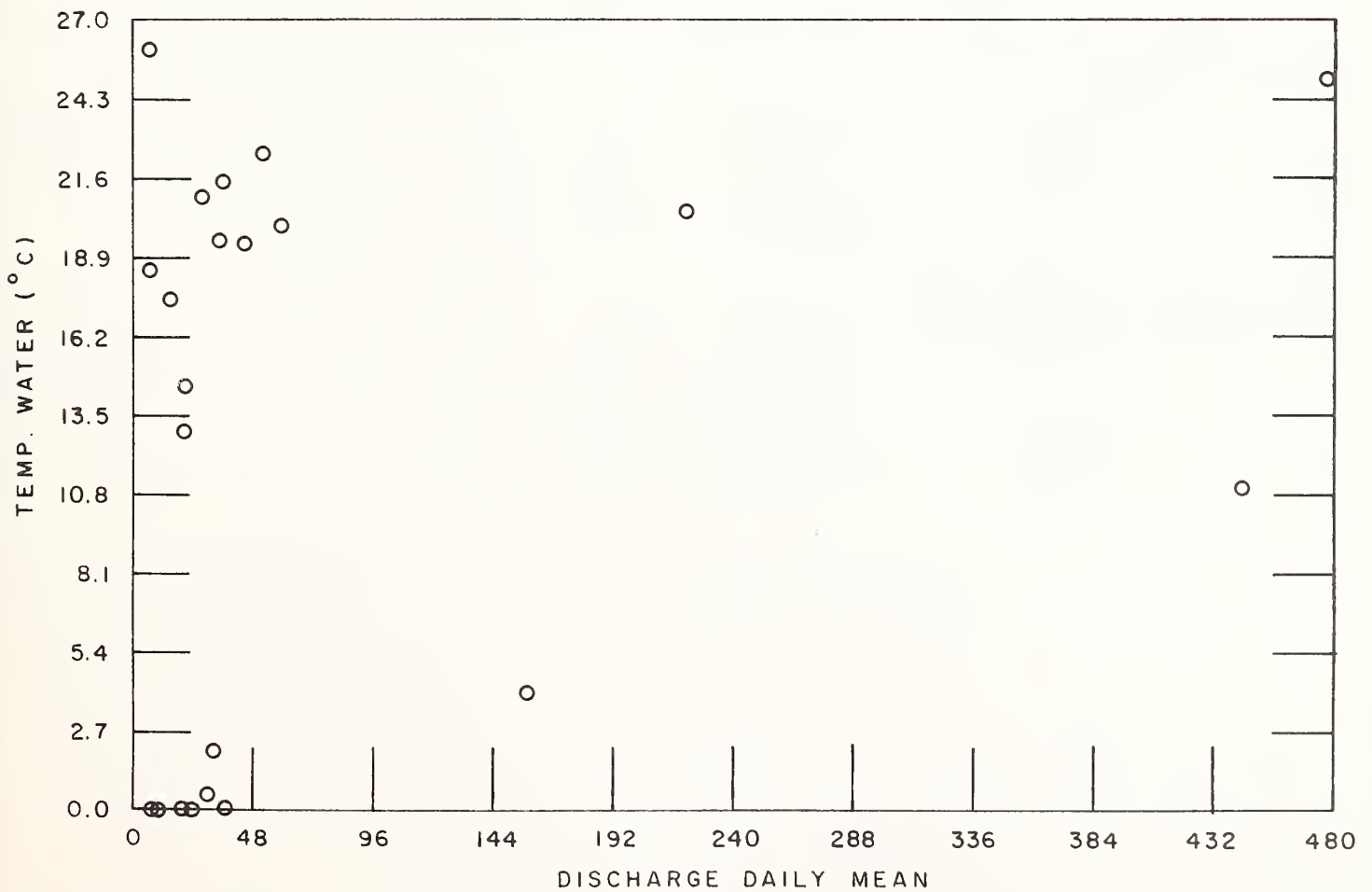


Figure V-23. Water Temperature vs. Discharge
Poplar River near Poplar, Montana

Table V-6. Variation in Temperature and Dissolved Oxygen in
Water of the Poplar Basin in August 1978

Station	Time	Date	Water °C	Flow cfs	DO mg/l
East Fork Poplar River, International Boundary	11:40 am	8/2/78	19	2.3	8.2
	3:30 pm	8/2/78	19		8.7
	7:30 pm	8/2/78	18.5		9.2
	11:30 pm	8/2/78	17.2		8.15
	3:40 am	8/3/78	15.5		7.55
	7:40 am	8/3/78	14.8		7.2
East Fork Poplar River, near Scobey	12:30 am	8/2/78	19	1.2	8.65
	4:20 pm	8/2/78	20		8.9
	8:20 pm	8/2/78	18.5		8.3
	12:20 am	8/3/78	17		7.45
	4:30 am	8/3/78	16		6.65
	8:50 am	8/3/78	15		6.8
Middle Fork Poplar River, above Scobey	12:00 pm	8/2/78	19.5	Staff gage Estimate 2	.35 8.3
	4:00 pm	8/2/78	20		8.5
	8:00 pm	8/2/78	18.5		7.95
	12:00 am	8/3/78	17.5		7.4
	4:10 am	8/3/78	16		7.1
	8:25 am	8/3/78	15.5		7.3
West Fork Poplar River, near Bredette	1:15 pm	8/2/78	19.5	7	8.35
	5:10 pm	8/2/78	19		8.4
	9:00 pm	8/2/78	18.5		7.85
	1:00 am	8/3/78	16.5		7.4
	5:00 am	8/3/78	15.2		7.2
	9:40 am	8/3/78	13.5		8.0
Poplar River above West Fork near Bredette	1:30 pm	8/2/78	21	Staff gage Estimate 3	.60 9.3
	5:30 pm	8/2/78	20.5		9.1
	9:20 pm	8/2/78	19		8.25
	1:25 am	8/3/78	17		7.7
	5:25 am	8/3/78	15		7.3
	10:00 am	8/3/78	16		8.5

Table V-7. Variation in Temperature and Dissolved Oxygen in Water of the Poplar Basin in September 1978

Station	Time	Date	Water Temp. °C	Gage Height ft.	DO mg/l	µs/cm Conductivity
E.F. Poplar River at International Boundary	2:25 pm	8/14/78	22	4.71	8.3	1370-1340
	6:25 pm	8/14/78	22		9.2	
	10:25 pm	8/14/78	20		8.4	
	2:40 am	8/15/78	19		7.0	
	6:20 pm	8/15/78	17		6.6	
	9:20 am	8/15/78	19		7.15	
E.F. Poplar River Near Scobey	3:15 pm	8/14/78	22	.18	8.9	1600
	7:15 pm	8/14/78	21		8.8	
	11:20 pm	8/14/78	20		6.75	
	3:45 pm	8/15/78	18		6.35	
	5:35 am	8/15/78	17.5		6.05	
	7:00 am	8/15/78	17		5.85	
Middle Fork Poplar River near Scobey	10:10 am	8/15/78	18		6.5	
	2:40 pm	8/14/78	22	.2	8.6	1270
	6:50 pm	8/14/78	22		8.3	
	10:55 pm	8/14/78	20		7.5	
	3:20 am	8/15/78	19		6.85	
	6:40 am	8/15/78	17		6.6	
West Fork Poplar River near Bredette	9:50 am	8/15/78	19.5		7.25	1100
	4:25 pm	8/14/78	22	2.75	9.9	
	8:10 pm	8/14/78	21		9.35	
	12:10 am	8/15/78	19		8.2	
	4:30 am	8/15/78	17		7.4	
	7:30 am	8/15/78	17		7.2	
Poplar River Above West Fork	10:45 am	8/15/78	19		8.8	1340
	4:40 pm	8/14/78	22	5	9.6	
	8:35 pm	8/14/78	21		9.4	
	12:35 am	8/15/78	19		8.5	
	4:50 am	8/15/78	17.5		7.05	
	7:45 am	8/15/78	17.5		7.85	
	11:05 am	8/15/78	21		8.9	1400

the United States portion of the Basin may be reduced by the reservoir trapping organic matter and nutrients. On the other hand increased agricultural development in the Basin could result in more organic matter and nutrients reaching the streams from agricultural runoff and increased erosion.

Reaeration becomes a limiting factor in winter when ice cover prevents the atmosphere from replacing oxygen consumed by decay and respiration. The duration or the extent of ice cover will generally not be affected by development because water temperature will be unchanged.

The volume of water in a stream can affect DO because a larger volume of water will be better able to sustain an oxygen demand without significantly lowering the concentration. However, as with temperature, the historical record (Figures V-24 and V-25) shows that there is no strong relationship between flow and DO. Thus, at most stations, changes in flow resulting from development are not expected to influence DO. However, the Poplar River at Poplar will have insignificant flow during all months in scenario 12 and during the winter months in scenario 8. This will result in semi-stagnant pools having depressed DO during these periods.

3. Metals

a. East Poplar River

Additional loads of metals and other trace elements will enter the East Poplar River from mine dewatering, from the surface drainage around the mine and power plant and from the ash lagoon decant (Operations Committee, 1979). However, the greatest source of metals will be the ash lagoon effluent. The Groundwater Committee (1978) has predicted ash lagoon seepage to be 350 m³/day and that a significant portion of the seepage will be directed to Cookson Reservoir.

The ash lagoon and reservoir seepage is expected to be relatively free of metals by the time it reaches the River because clay particles and organic molecules will adsorb metals and, an alkaline soil will promote formation of insoluble metal compounds (Hammer, 1975; International Garrison Diversion Study Board, 1976; Wentink and Etzel, 1972). However the capacity of the soil to immobilize metals is finite and anionic species such as molybdate, selenate, chromate, arsenate and vanadate will usually remain in solution (Groundwater Committee, 1978). Because of uncertainty attached to the fate of metals and trace elements in ash lagoon seepage they might be considered to be conservative over the long term and to pass unattenuated through the soil and be discharged in the East Poplar River.

The effect of ash lagoon seepage on metal and trace element concentrations during low flows in the East Poplar River at the International Boundary (Table V-8) were evaluated assuming the mixing of the base flow of groundwater with the ash lagoon seepage. It was assumed that 100 m³/day of seepage is diverted to the Reservoir and that the base flow of groundwater discharge will be the same 4900 m³/day (2 cfs) that occurred in 1977. At this time of year there will be the greatest proportion of ash lagoon seepage in the River. Using this conservative approach an increase is

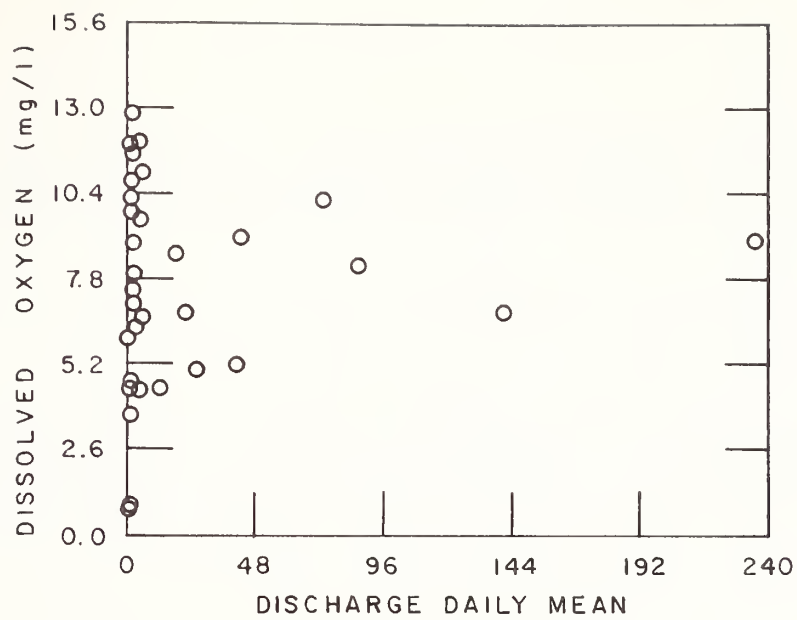


Figure V-24. Dissolved Oxygen vs. Discharge
East Poplar River at International Boundary

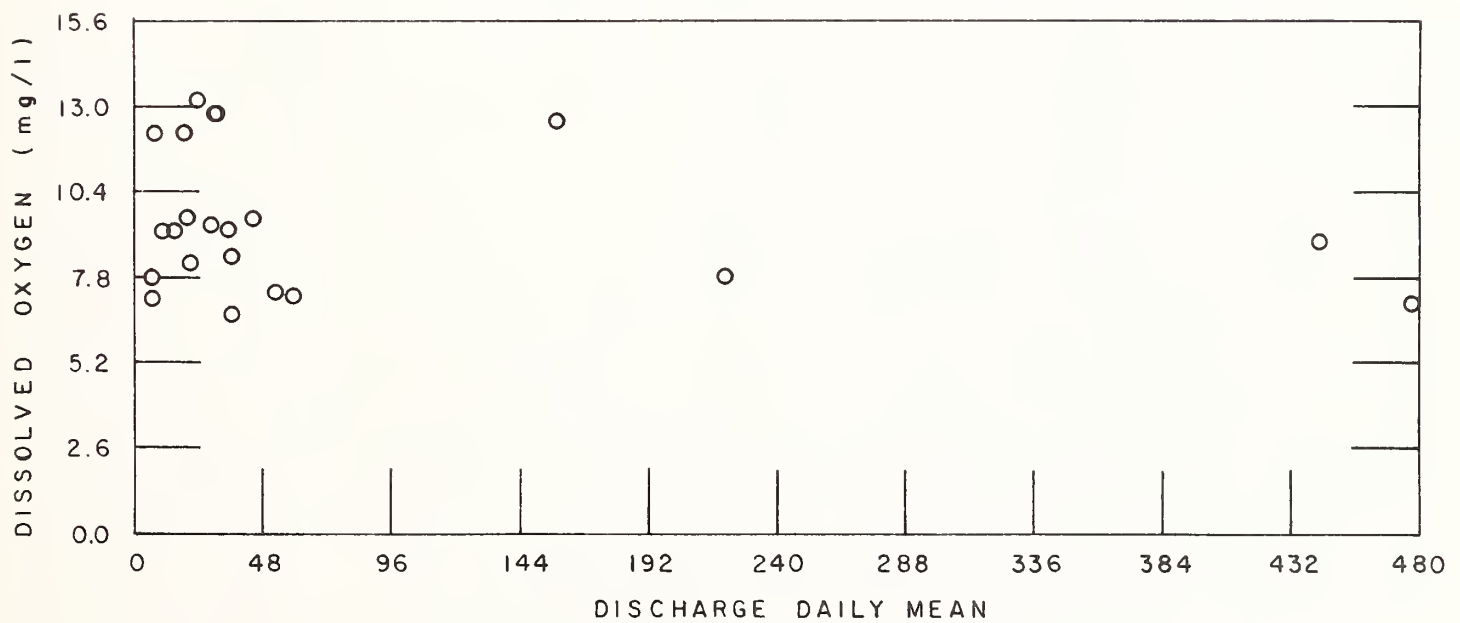


Figure V-25. Dissolved Oxygen vs. Discharge
Poplar River near Poplar, Montana

Table V-8. Concentration (mg/l) of Metals and Trace Elements in the East Poplar River During Low Flows with a 600-M/w Power Plant

<u>Element</u>	<u>Concentration in Base Flow¹</u>	<u>Concentration in Ash Lagoon Decant²</u>	<u>Predicted Concentration in Groundwater Discharge³</u>
Cr	0.010	0.1	0.014
Ni	0.010	0.06	0.012
Mo	0.010	0.010	0.010
Se	0.0005	0.011	0.001
As	0.0015	0.01	0.002
Hg	0.00005	0.00062	0.00008
V	0.001	0.05	0.003
Cd	0.001	0.02	0.002
Cu	0.01	0.1	0.02
Pb	0.015	0.01	0.015
Zn	0.010	0.01	0.01
Mn	0.24	0.02	0.24
Fe	0.48	0.35	0.48

¹ Median concentration for winter period East Poplar River at International Boundary or detection limit for parameters which have not been detected.

² Operations Committee personal communication 1978

³ Obtained by mixing 250 m³/day of ash lagoon seepage water with 4900 m³/day of base flow.

projected for selenium, vanadium, cadmium and copper in the East Poplar River for the base flow period. However, the projected concentrations are not significantly different than baseline conditions.

It is expected that the metals entering Cookson Reservoir will behave in a manner similar to that which has been observed for other reservoirs. Many studies (Perhac, 1974, Pita and Hyne, 1975; Herman and Mahan, 1977; Allen and Richards, 1978) have shown that reservoir sediments act as a sink for metals in the water entering the reservoir. There are several reasons for this phenomenon. First, most of the metals being carried in a river are attached to suspended sediments which fall to the bottom. Second, dissolved metals entering the reservoir are adsorbed onto suspended clay particles which are ultimately deposited on the reservoir bottom or react with inorganic ions or organic molecules to form insoluble compounds or complexes that precipitate. Third, algae accumulate metals and take them to the bottom where the sulphides produced by decaying algae stabilize the metals as insoluble metal sulphides (Jackson, 1978). It is believed that these reactions will occur in Cookson Reservoir and remove most of the metals.

Although, Perhac (1974) found that metals in reservoir sediments were stable and not readily available to biota, under certain circumstances metals in sediments can dissolve. Usually, this happens when low levels of DO promote the formation of soluble, reduced forms of metals from the insoluble, oxidized form. The hot discharges into Cookson Reservoir combined with the action of the high winds common to the area on the relatively shallow waterbody will prevent reducing conditions.

Should Cookson Reservoir not be as efficient in trapping metals as expected, the East Poplar River should still be relatively free of metals because for most of the year there will be no discharge of water from the Reservoir. Generally, the seepage and groundwater discharge will maintain a flow at the International Boundary sufficient to prevent the need to draw upon the reservoir. Should a high spring runoff cause a reservoir spill, the volume of the clean snowmelt will be sufficient to dilute the relatively low level of metals in the reservoir water. In the summer when there will be reservoir discharges to meet obligations of the apportionment agreement, there will be a larger amount of fresh sediments and organic matter present in the reservoir resulting from the spring runoff and higher populations of algae resulting from the normal summer bloom. These conditions should maximize the reactions which remove metals from the reservoir waters. Furthermore, metals in the waters of the summer demand release will be diluted by groundwater which will form a significant portion of the flow.

b. Poplar and West Poplar Rivers

Under some conditions, irrigation may lower the pH of soils and promote leaching of heavy metals into the receiving streams (International Garrison Diversion Study Board, 1976). However, with good agricultural practices, the alkaline nature of the soils in the Poplar Basin, along with the alkaline nature of the irrigation waters, will probably maintain a sufficiently high pH in the irrigated soils to prevent leaching of heavy metals. Nevertheless, with excessive use of water and nitrogen fertilizers,

and the absence of good agricultural management practices, irrigated lands will become more acidic, and the concentration of metals in the Poplar and West Poplar Rivers will increase. This increase is not likely to occur in the Canadian portion of the Basin where the projected expansion of irrigation is small.

4. Nutrients

a. East Poplar River

SPC's development will not significantly increase the nitrogen or phosphorus loads of the East Poplar River. However the construction of Cookson Reservoir is expected to alter nutrient concentrations in the water entering the United States.

It is believed that nutrient concentrations and loads in the East Poplar River will be reduced by Cookson Reservoir similarly to the manner in which Boundary Reservoir reduces the nutrients in Long Creek. The concentration of total nitrogen (Figure V-26) is always less in Long Creek below Boundary Reservoir than in waters entering the Reservoir, and with a few exceptions, total phosphorus concentrations in waters leaving Boundary Reservoir (Figure V-27) are lower than those in Long Creek entering the Reservoir. In other words, particularly in spring, the concentrations of nitrogen and phosphorus are lower in Long Creek below the Reservoir than they would have been without the Reservoir. It is expected that Cookson Reservoir will have the same effect.

Boundary Reservoir also reduces the load of nitrogen and phosphorus in Long Creek (Tables V-9 and V-10) by trapping the nutrients contained in spring runoff (Souris River Basin Study, 1978). However, because Boundary Reservoir discharge maintains a greater than normal flow in the low flow months, the load in the August to February period is greater than that which would occur normally. In the East Poplar River at the International Boundary, the discharge during the low flow months is not expected to be much greater than normal, and therefore Cookson Reservoir is not expected to significantly increase the nutrient load during these months.

Boundary Reservoir probably reduces nutrient concentrations by impounding and subsequently precipitating nutrients contained by suspended matter. Although there is undoubtedly liberation of nutrients from the sediments, biological activity in the Reservoir absorbs the liberated nutrients and prevents them from being discharged. A similar observation was made by Olsen et al., (1973), who found that reservoirs in Nebraska reduced downstream concentrations of phosphorus and nitrogen by factors of 5 and 20, respectively.

b. Poplar and West Poplar Rivers

A reduction in nitrogen and phosphorus in the East Poplar River through the action of Cookson Reservoir will also reduce the level of nutrients in the lower Poplar River. This reduction is hard to quantify, but will depend on the proportion of East Poplar River water in the Poplar River, and biological activity in the Poplar River.

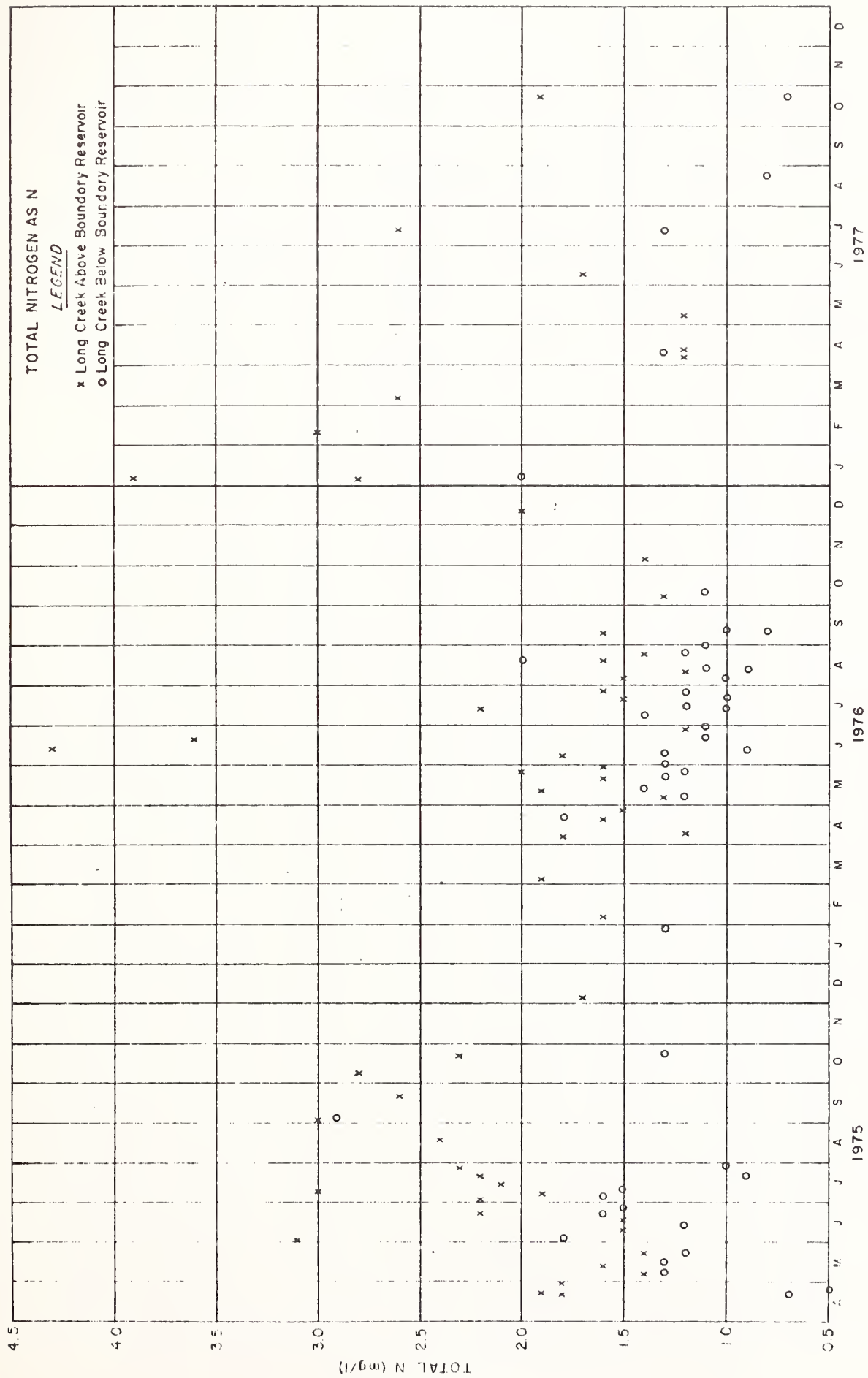


Figure V-26. Effect of Boundary Reservoir on Concentrations of Total Nitrogen in Long Creek

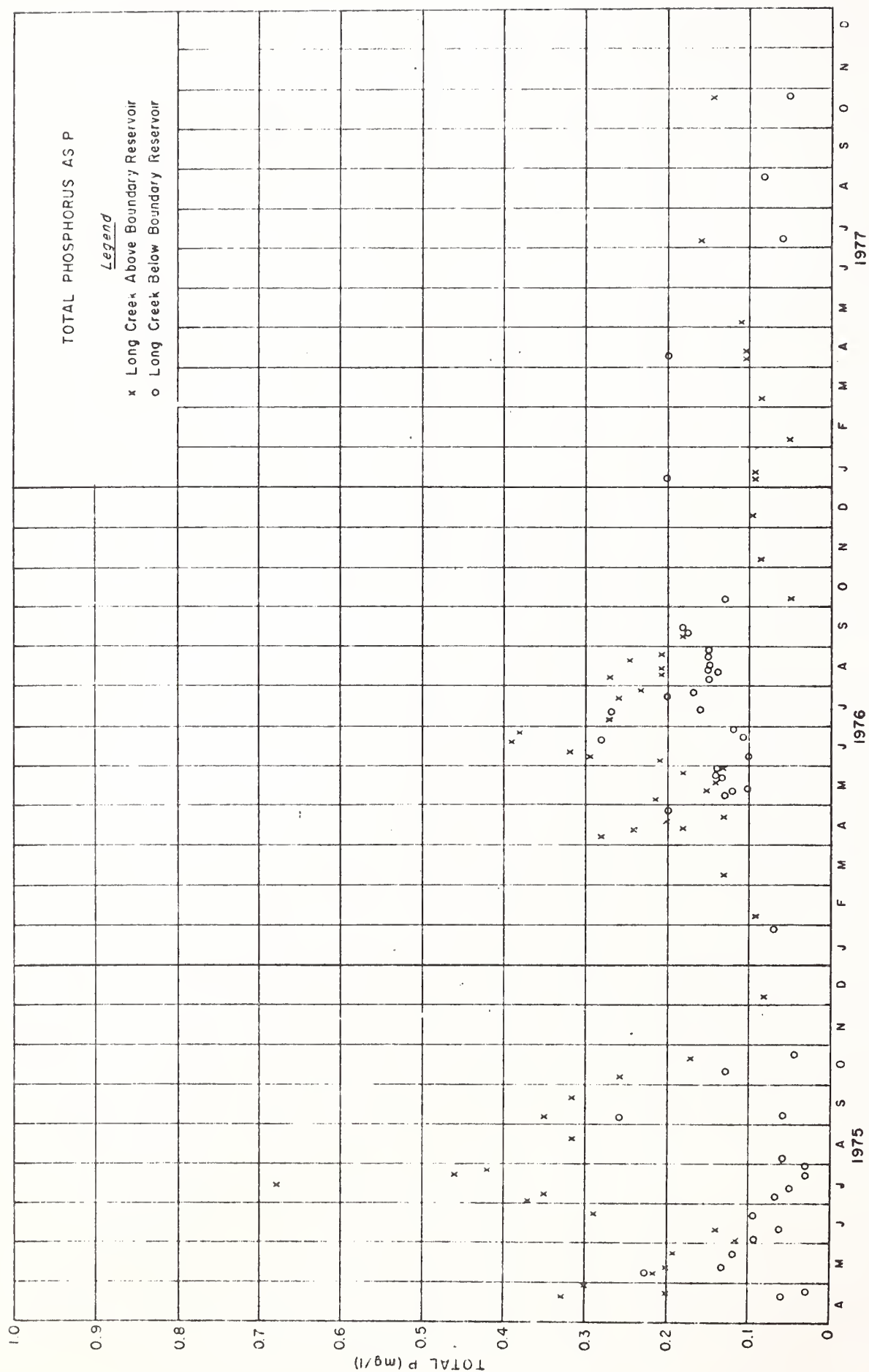


Figure V-27. Effect of Boundary Reservoir on Concentrations of Total Phosphorus in Long Creek

Table V-9. Nitrogen Budget for Boundary Reservoir
Total N (kg)

YEAR	JANUARY			FEBRUARY			MARCH			APRIL			MAY		
	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$
1975										83265	48748	0.59	39316	34968	0.89
1976	745	2530	3.40	623	4670	7.50	69669	49798	0.71	147666	118756	0.80	7834	1401	0.18
1977	46	345	7.5	53	263	4.96	643	269	0.42	561	117	0.21	1959	719	0.37

YEAR	JUNE			JULY			AUGUST			SEPTEMBER			OCTOBER		
	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$
1975	5916	3294	0.56	979	179	0.18	164	244	1.49	1828	312	0.17	1794	340	0.19
1976	42499	7973	0.19	7745	3153	0.41	164	2620	15.9	1828	1836	1	130	203	1.56
1977	427	252	0.59	7	243	34.7	0	490	-	0	308	-	3	234	78.0

YEAR	NOVEMBER			DECEMBER			YEAR			VOLUME OF WATER ACRE/FT		
	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	
1975	905	1275	1.41	634	2516	3.9	134801	91876	0.68	67,300	64,400	
1976	110	179	1.63	64	250	3.9	277981	193309	0.70	144,000	152,000	
1977	30	302	10.1	14	185	13.2	3743	3747	1.	1,590	2,380	

A Above Reservoir (Long Creek near Noonan)

B Below Reservoir (Long Creek near Estevan)

Table V-10. Phosphorus Budget for Boundary Reservoir
Total P (kg)

YEAR	JANUARY			FEBRUARY			MARCH			APRIL			MAY		
	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$
1975										13005	5014	0.39	6033	3957	0.66
1976	84	249	2.96	69	513	7.43	10964	6087	0.56	22965	13235	0.58	1015	432	0.43
1977	4	32	8	6	26	4.33	72	26	0.36	63	12	0.19	249	71	0.29

YEAR	JUNE			JULY			AUGUST			SEPTEMBER			OCTOBER		
	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$
1975	723	551	0.76	117	17	0.15	19	23	1.2	230	26	0.11	133	33	0.25
1976	6994	4506	0.64	1048	343	0.33	87	278	3.2	11	176	16	16	16	1
1977	50	25	0.50	0.7	24	34.3	0	48	-	0	30	-	0.4	34	85

YEAR	NOVEMBER			DECEMBER			YEAR			VOLUME OF WATER ACRE/FT		
	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$	A	B	$\frac{B}{A}$
1975	102	98	0.96	72	208	2.9	20433	9925	0.49	67,300	64,400	
1976	12	18	1.5	7	25	3.6	43271	25877	0.6	144,000	152,000	
1977	3	30	10	2	18	9	450	348	0.77	1,590	2,380	

A Above Reservoir (Long Creek near Noonan)

B Below Reservoir (Long Creek near Estevan)

The major change affecting the levels of nutrients in the Poplar and West Poplar Rivers is increased use of fertilizers usually associated with irrigation. Nitrates from nitrogen fertilizers may leach through the soil and enter the stream through subsurface irrigation return flow, while phosphorus from phosphate fertilizers may enter the stream through surface runoff (International Garrison Diversion Study Board, 1976). Since most of the projected increased usage in the Basin is for sprinkler irrigative which involves little surface runoff the projected increases in nitrogen in the river water are expected to be greater than for phosphorus.

Because the flushing of nitrogen and phosphorus from irrigated lands into streams depends on unquantified variables such as the drainage pattern, the type of crop and soil, the application rates of water and fertilizer, the rates of soil mineralization and denitrification, and the acreage of irrigated land, the future concentrations of nutrients in the water of the Poplar and West Poplar River cannot be quantified. However, if irrigation in the basin increases to the extent forecast, phosphorus and particularly nitrogen in the river water may increase substantially. Since the increased irrigation in Canada is projected to be relatively small, the levels of nitrogen and phosphorus in the waters entering the United States will be similar to those which occurred historically.

5. Turbidity

a. East Poplar River

With the trapping of suspended sediment in Cookson Reservoir there will be a substantial reduction in turbidity of the East Poplar River. The turbidity of the East Poplar River at the International Boundary will probably never exceed 10 JTU except during extreme flood conditions when the Reservoir will be completely replaced with spring runoff and will be spilling water with the same high turbidity as that entering the Reservoir.

b. Poplar and West Poplar Rivers

Except to the extent which waters from Cookson Reservoir contribute to the flow of the Poplar River, little change in turbidity is projected for the Poplar or West Poplar Rivers.

6. Bacteria

a. East Poplar River

Because of the plan by SPC and the Saskatchewan Department of Environment to keep the human wastes resulting from the project out of the East Poplar River, there should be no increases in bacteria. There may even be a reduction in bacteria crossing into the United States because of the action of the Cookson Reservoir in trapping the bacteria where they may die.

b. Poplar and West Poplar Rivers

Nothing is projected to occur in the remainder of the Basin which will significantly change the levels of bacteria already found in the waters of the Poplar and West Poplar Rivers.

7. Pesticides and Other Organics

a. East Poplar River

No use of pesticides is planned in conjunction with the SPC operation. However, since pesticides are known to have an affinity for suspended sediment, Cookson Reservoir by trapping the suspended sediment may reduce the trace quantities of herbicides found in the East Poplar River.

Petroleum products will be used extensively in the SPC's mining and power production activities. Although extensive measures have been planned to prevent this material from entering the East Poplar River (Operations Committee, Personal Communication), the possibility of an accidental spill always exists.

b. Poplar and West Poplar Rivers

Increased use of pesticides will probably accompany increased irrigation in the Poplar and West Poplar River Basins. With proper use of these chemicals, the effect on the Rivers should be small. There is, however, always the danger of improper use or an accidental spill. Greater danger will be in the United States where more of the new irrigated lands are projected.

D. Discussion of the Water Quality Effects on the Various Scenarios

1. Comparison of the Impacts of the Scenarios

a. Scenarios Compared

The different scenario groupings have been described earlier in this chapter, and the variations expected within these groups have been illustrated and discussed. Certain principal scenarios have been selected as being both realistic development possibilities and illustrative of the changes expected to occur. In the comparisons which follow, scenario 2 the historical case with 1975 water use and no reservoir, is considered as the baseline situation. Scenario 4, with one power unit and 1975 uses, was chosen as representative of the conditions expected when the generating plant begins operation. Two unit capacity, which could be a reality in 1985, is modelled along with 1985 uses in scenario 8. In order to illustrate ultimate development in the Basin, scenario 12 representing conditions expected with two power units, full apportionment (including a Poplar River reservoir) assuming 1985 usage level in Canada, and year 2000 usage in the United States is also included in the comparisons. At two stations, West Poplar near Bredette and Poplar near Scobey, scenario 19 considers the impact of limiting U.S. use to the Fort Peck Indian Reservation. Since complete printouts for all the scenarios modelled are given in Attachments 1-5, concentrations predicted for variations from these principal cases can be determined from the tabulated data.

b. Stations Examined

Comparisons are plotted for stations at the International Boundary crossings of the East Poplar, Poplar and West Poplar Rivers and where there are significant impacts at other stations. Since effects are expected to

be greater downstream of Morrison Dam, the principal scenarios are compared on the East Poplar River at the International Boundary and near Scobey the Poplar River near Scobey above the West Poplar and at Poplar.

i. East Poplar River at International Boundary

Under the historical (pre-reservoir) conditions boron levels are less than 2.0 mg/l during most of the year, decreasing to 0.5 mg/l in the spring and rising to about 3.0 mg/l during January (Figure V-28). With the operation of a single power unit, individual monthly levels will be increased by 3.5 to 4.0 mg/l. Seasonal variations are expected to be maintained with values ranging from 3.8 mg/l in spring to 6.5 mg/l in mid-winter. Higher levels are expected with two units. These levels, which do not markedly differ from those expected with under full water use (scenario 12) will range from a mid-winter high of 12.3 mg/l to a spring low of 4.6 mg/l, before concentration levels will gradually increase during the summer months. The two generating units are expected to produce a 2.5 to 10 fold increase over baseline conditions in individual monthly boron concentrations.

Development will produce a major impact on the TDS in the East Poplar River at the International Boundary during all months except December (Figure V-29). Due to the stabilizing effect of Morrison Reservoir, the concentration of TDS will be relatively constant in the range of 900 to 1100 mg/l during all months and all scenarios. Historically TDS at the boundary was about 1400 mg/l in January and February, about 200 mg/l in March, and about 1100 in December. In other words, development will increase TDS by about 800 mg/l during spring and by about 400 mg/l during summer. Development will reduce TDS by about 300-400 mg/l during January and February. Scenarios 8 and 12 will have a similar effect, and will raise TDS about 100 mg/l higher than scenario 4.

Sulphate concentrations associated with each scenario follow the pattern observed for TDS but sulphate concentrations do not exceed 500 mg/l in any scenario. Highest concentrations occur in scenario 12. Although SAR cannot be accurately modelled, the relative magnitude of change predicted may be indicative. In all development scenarios, SAR generally remains in the 3.5 to 4.5 range, and is elevated from the baseline range of 0.1 to 3 in the March to June period and 3 to 5 during the rest of the year.

ii. East Poplar River near Scobey

The effect of the SPC development on boron levels will be reduced slightly by the time the East Poplar River reaches Scobey (Figure V-30), presumably due to dilution from the inflow of groundwater and tributaries, baseline concentrations range from a winter high of 2.3 mg/l to a spring low of 0.7 mg/l. Maximum boron concentrations associated with one and two power units occur in January when the levels are expected to be 6.4 mg/l and 12.0 mg/l respectively. Concentrations will be reduced to a minimum of 1.8 mg/l during the spring. Concentrations of boron will build up during spring and summer in both scenarios 4 and 8, but the rise will be more rapid with two units; the August level will be 6.8 mg/l for two units compared with 4.1 mg/l with one unit. The summer peak is followed by a fall decrease of 30 to 40% and a subsequent increase to the higher winter levels. The impact of scenario 12 is essentially the same as scenario 8.

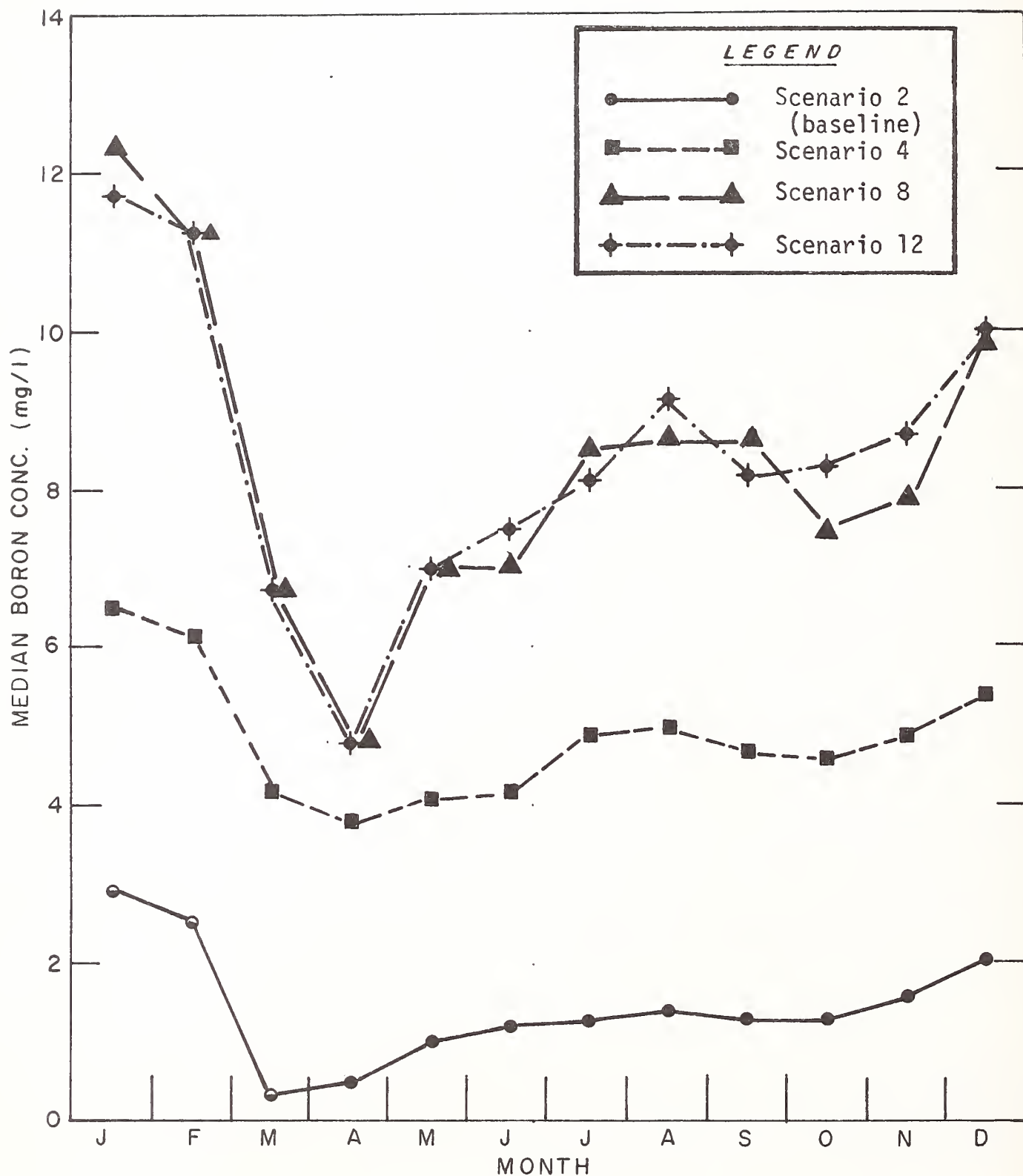


Figure V-28. Comparison of the Effects of Development Scenarios on Boron Concentrations in the East Poplar River at International Boundary

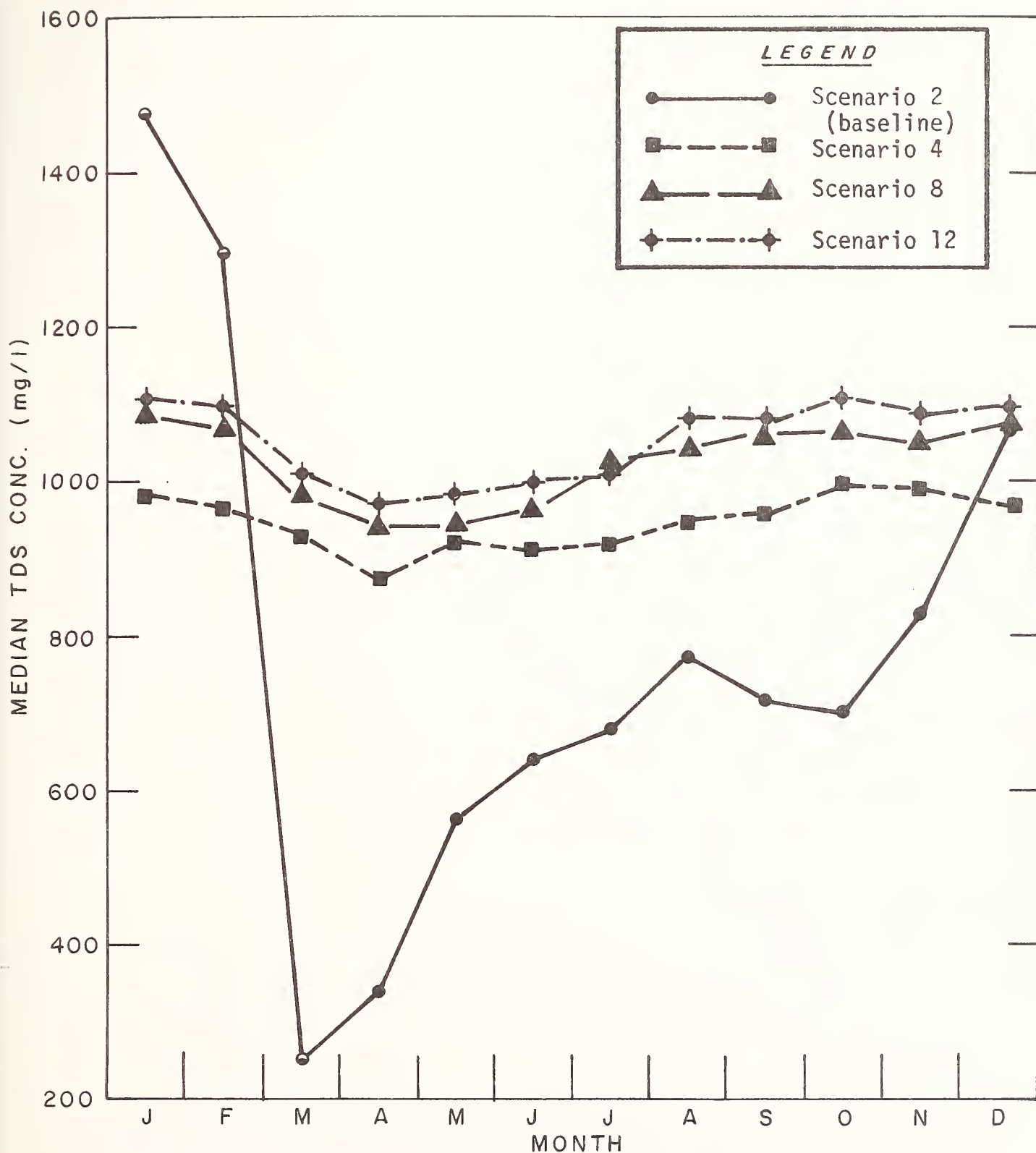


Figure V-29. Comparison of the Effect of Development Scenarios on the Concentration of TDS in the East Poplar River at International Boundary

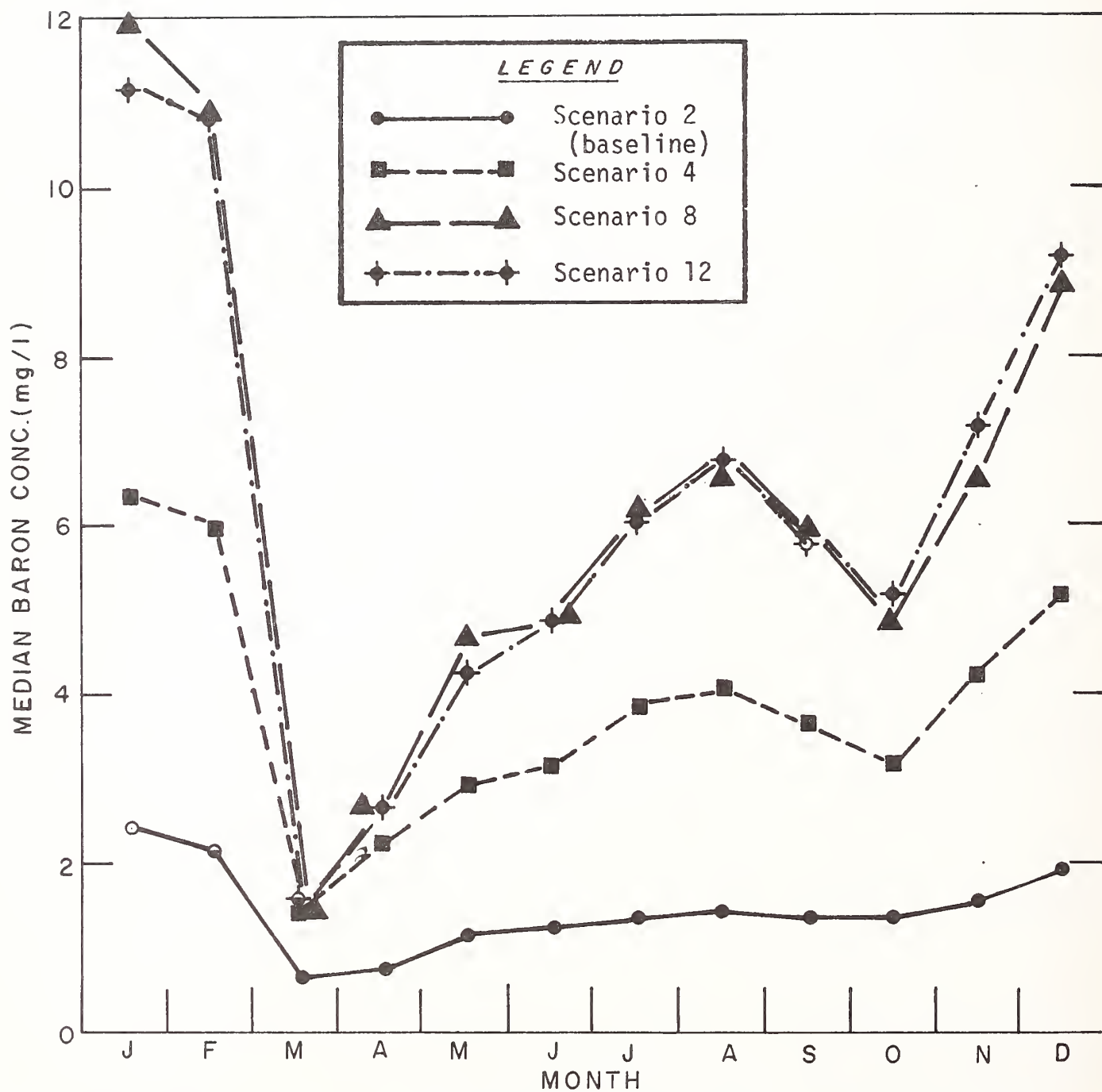


Figure V-30. Comparison of the Effect of Development Scenarios on the Concentration of Boron in the East Poplar River near Scobey

The overall impact of development on TDS concentration is less at station 3 than station 1 (Figure V-31). Scenarios 4 and 8 will raise TDS in the East Poplar near Scobey about 250 mg/l and 200 mg/l above baseline conditions in spring and summer, respectively. The impact of all developments will be essentially the same during spring, but during all other seasons scenario 12 will result in TDS concentrations about 40 mg/l higher than scenario 8, which in turn will be about 60 mg/l higher than scenario 4.

Changes in sulphate levels at this station follow the TDS pattern but they are less extreme than changes upstream. SAR changes are also less extreme in all scenarios producing SAR in the range of 4 to 5.5 when the baseline is in the range of 3 to 5. All development scenarios will cause the same SAR.

iii. West Poplar River at International Boundary

The proposed developments in the West Poplar River in the Canadian Basin will have essentially no effect on Boron concentrations. Boron levels are not expected to reach 1.0 mg/l with any scenario or to be substantially different than historical conditions.

At the International Boundary, the West Poplar River will contain significant flow only during the March through July period. Except for the runoff period, in scenarios 4 and eight, TDS concentrations will be identical to the baseline concentrations (Figure V-32). In March, scenario 4 will increase TDS by 100 mg/l; scenario 8 by 200 mg/l, and both scenarios will reduce TDS by 50 mg/l during April. In scenario 12, March TDS concentrations will exceed the baseline by 200 mg/l and during the May through July period concentrations will be 100 mg/l above the baseline.

Sulphate in the West Poplar River will not exceed 150 mg/l in any month or in any scenario. Within any month differences between scenarios are generally less than 50 mg/l, and increases over baseline concentrations are generally less. Changes in SAR between scenarios or from the baseline are not significant.

iv. Poplar River at International Boundary

Any proposed development in the Canadian portion of the Poplar will not result in increasing the historical boron range of 0.8 to 1.1 mg/l. There are no significant differences expected in boron concentrations between scenarios.

In the Poplar River at the International Boundary, scenarios 4 and 8 are expected to result in TDS concentrations which are identical to the baseline conditions (Figure V-33). Because scenario 12 involves a reservoir on the Poplar River in Canada, which will have a stabilizing effect on TDS, concentrations expected will be about 100 mg/l higher in the spring and about 80 mg/l lower in the summer than baseline conditions. Overall, TDS concentrations in scenario 12 will be stable in the range of 600-700 mg/l.

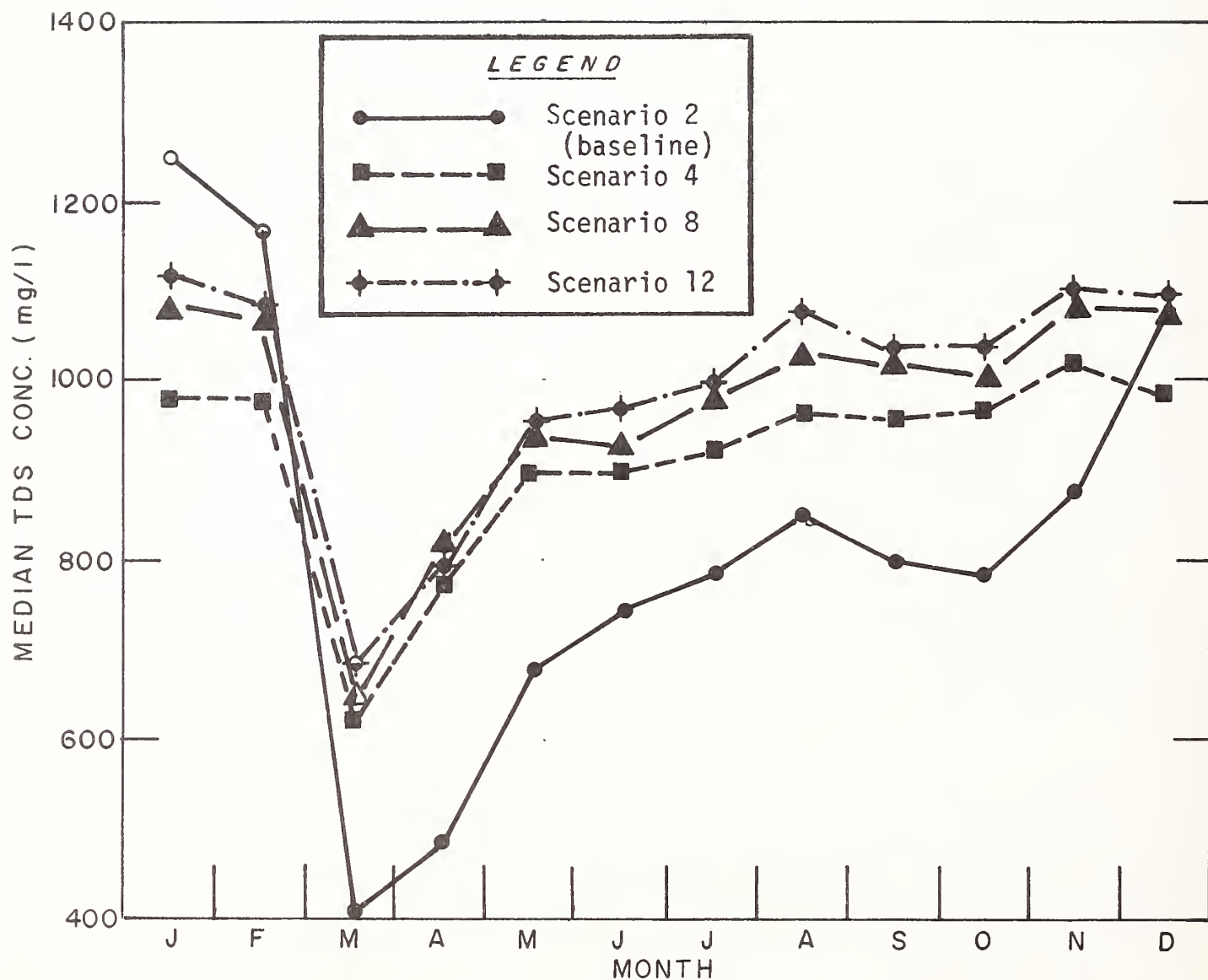


Figure V-31. Comparison of the Effect of Development Scenarios on the Concentration of TDS in the East Poplar River near Scobey

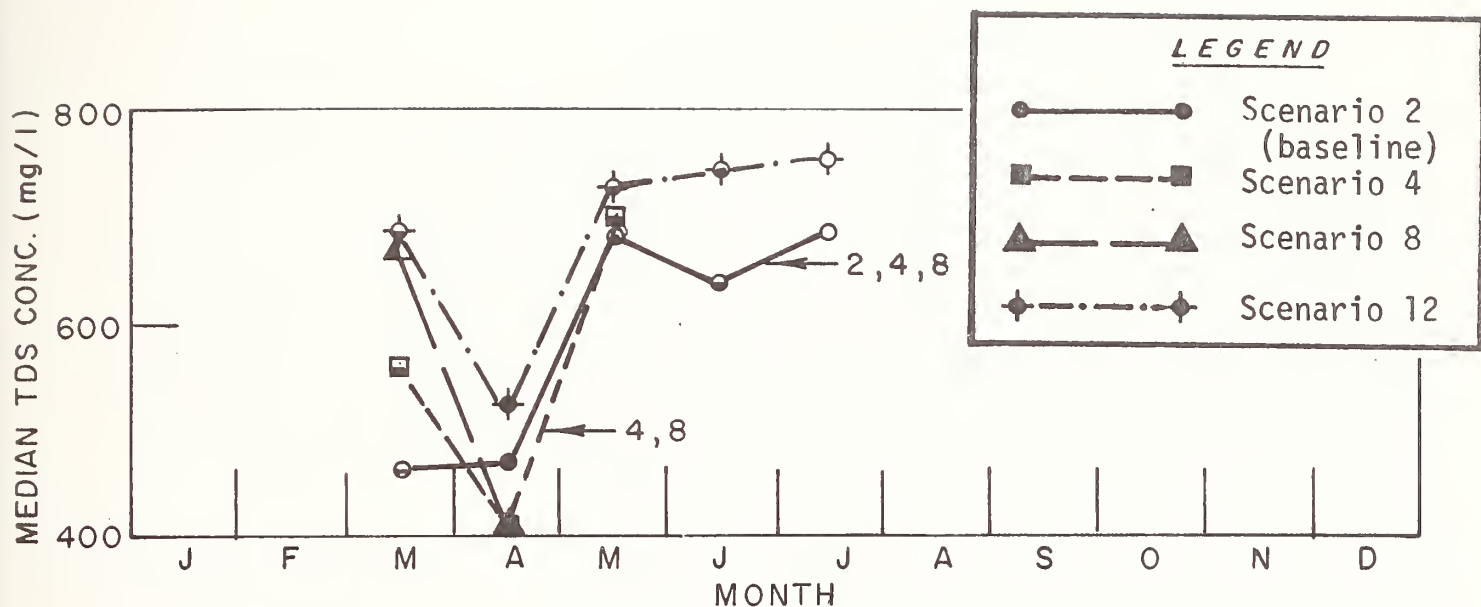


Figure V-32. Comparison of the Effect of Development Scenarios on TDS Concentrations in the West Poplar River at the International Boundary

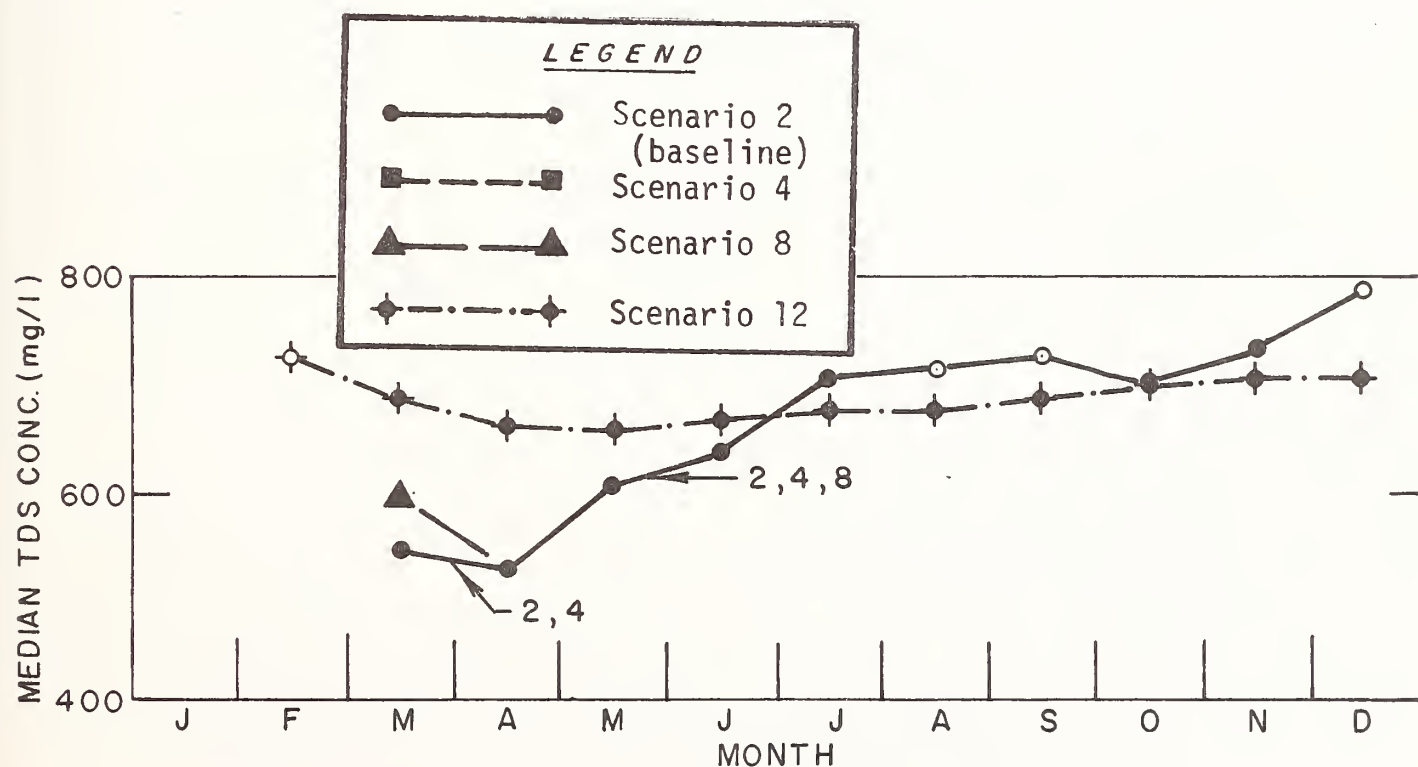


Figure V-33. Comparison of the Effect of Development Scenarios on TDS Concentrations in the Poplar River at the International Boundary

For all months when there is significant flow, all scenarios will produce sulphate concentrations within 50 mg/l of each other and within 50 mg/l of the baseline condition which ranges from 110 mg/l in March to 190 mg/l in December. Similarly, there is little change in SAR.

v. Poplar River Near Scobey

At Scobey the Poplar River boron levels will be less than those predicted in the East Poplar River near Scobey (Figure V-34). The Upper Poplar provides a dilution water effect. Baseline concentrations are below 2.0 mg/l. With one power unit, the spring concentration of 0.8 mg/l gradually builds to 2.9 mg/l in September, then dips slightly before rising to the winter high of 4.0 mg/l. The two unit projections reach winter highs of 6 to 6.5 mg/l and spring lows of 0.8 to 1.2 mg/l. Values are generally lower under full apportionment, but there is insufficient water to satisfy all projected 2000 uses during the months of August and September. With only Fort Peck Indian usage in the United States, (scenario 9) the winter high will be 7.2 mg/l; after the normal spring decrease, the concentration will climb again to 5.1 mg/l in August.

TDS concentrations at station 8 are expected to be generally similar in all development scenarios and little different than the baseline concentrations (Figure V-35). During March, scenario 19 is expected to produce TDS levels about 200 mg/l higher than baseline, 100 mg/l higher than scenario 12, and 160 mg/l higher than scenarios 4 and 8. After runoff, and except for January and February, all of the scenarios will generally produce TDS concentrations 80 to 150 mg/l greater than the baseline of 500 to 1000 mg/l. Scenario 12 usually produces the highest TDS levels. Scenario 19 usually results in higher concentrations than scenarios 4 and 8 because the amount of relatively good irrigation return flow entering the river is reduced.

Sulphate and SAR at this station is expected to change little either from baseline conditions or between scenarios.

vi. Poplar River near Poplar

At the mouth of the Poplar River the effects of boron levels in Cookson Reservoir and ash lagoon seepage will largely dissipate (Figure V-36). Except for winter values of 2.6 mg/l in the one power unit scenario, anticipated boron levels are about 1.0 mg/l. However, in scenarios 8 and 12 there is frequently insufficient water present to satisfy projected demands especially during the months of October to March.

The TDS concentrations near the mouth of the Poplar River will remain essentially at the baseline level with all developments (Figure V-37). During July and August, scenario 12 is expected to produce TDS concentrations about 100 mg/l higher than the baseline level of 1300 mg/l while concentrations in scenario 4 will be 30 mg/l less than baseline. In spring, TDS levels associated with scenarios 8 and 12 will be lower than the historical levels by up to 100 mg/l.

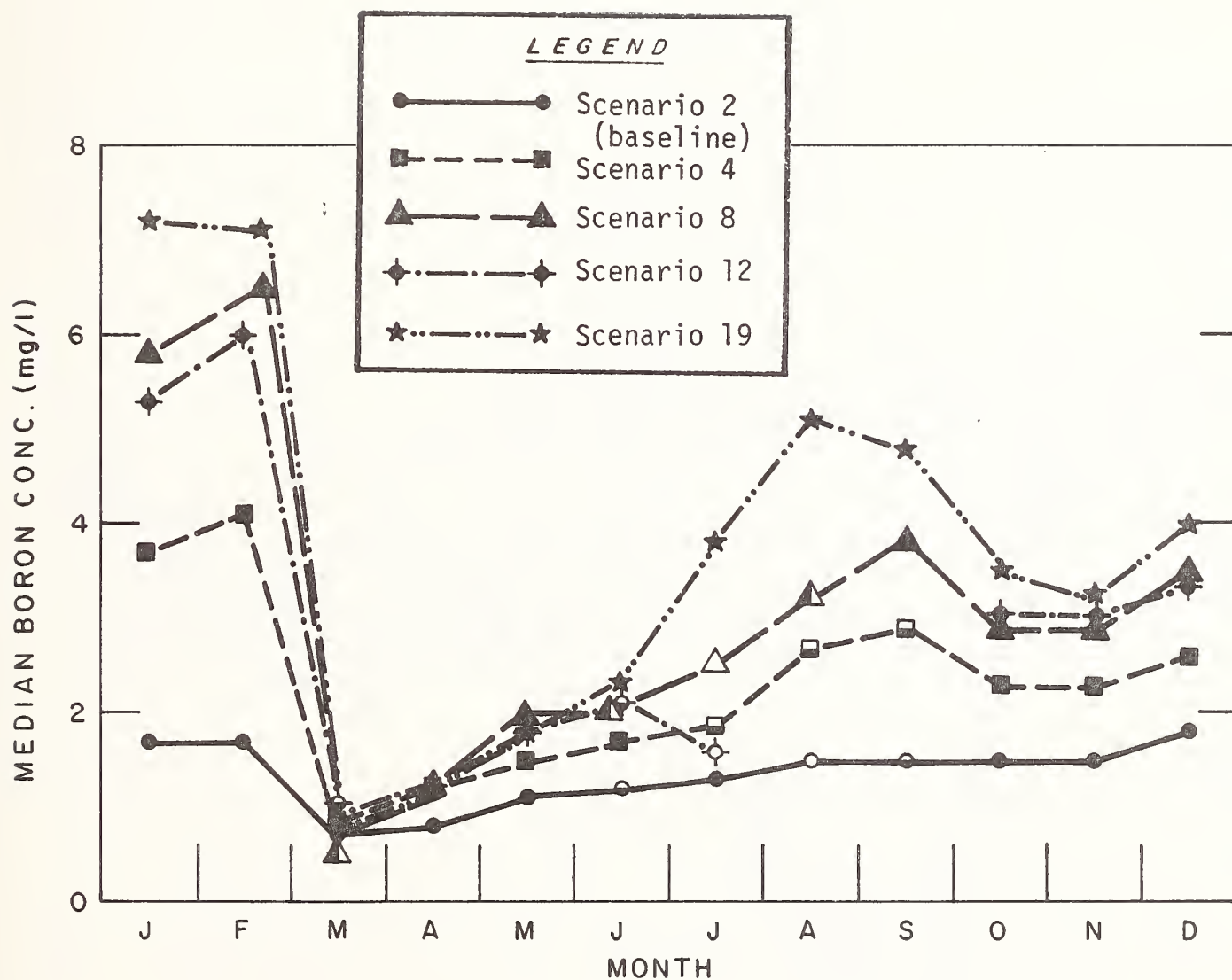


Figure V-34. Comparison of the Effect of Development Scenarios on the Boron Concentration of the Poplar River near Scobey, Montana

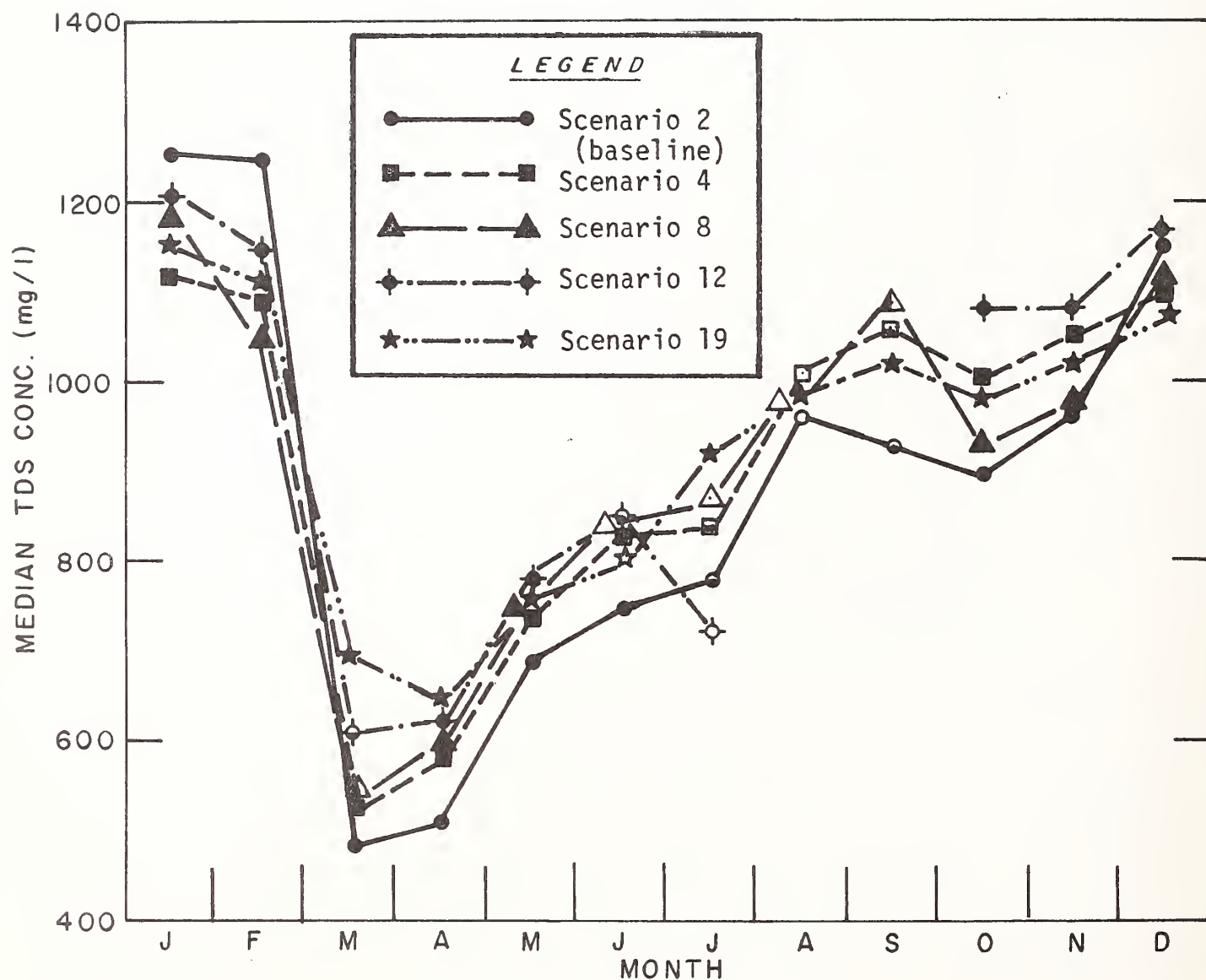


Figure V-35. Comparison of the Effect of Development Scenarios on TDS Concentrations of the Poplar River near Scobey

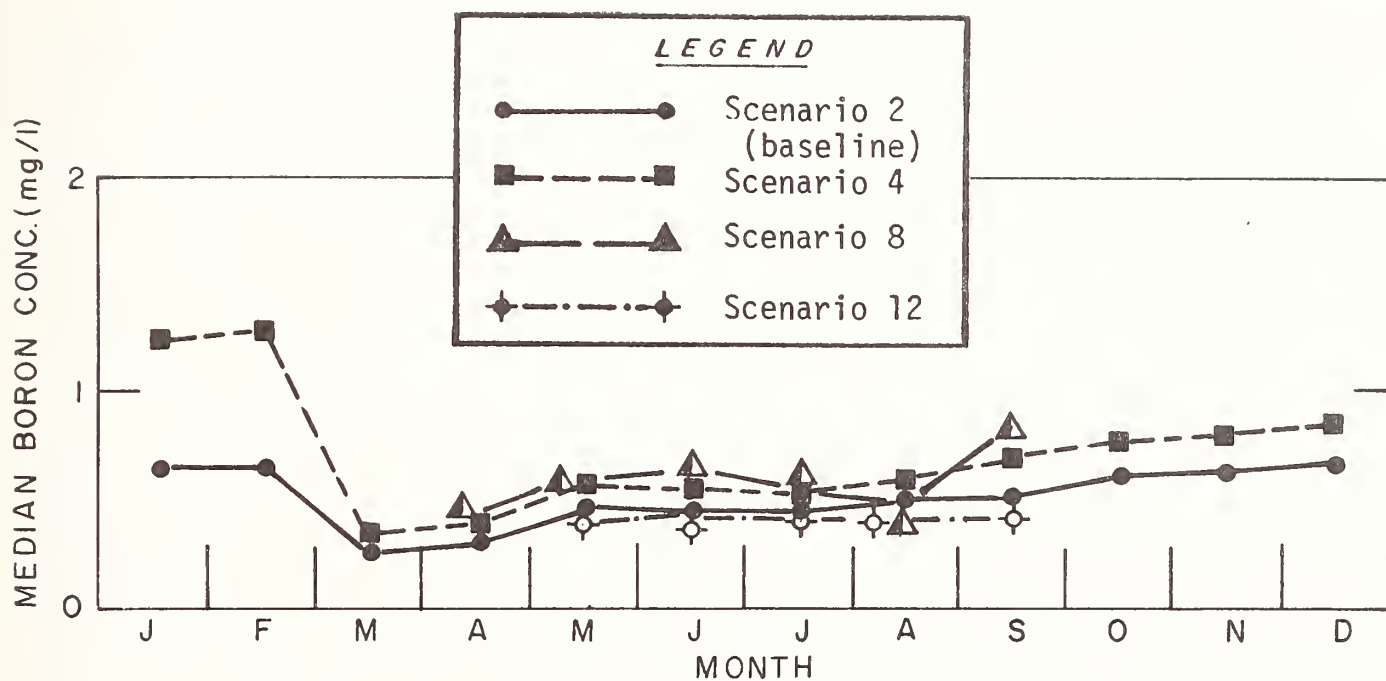


Figure V-36. Comparison of the Effect of Development Scenarios on the Concentration of Boron in the Poplar River near Poplar, Montana

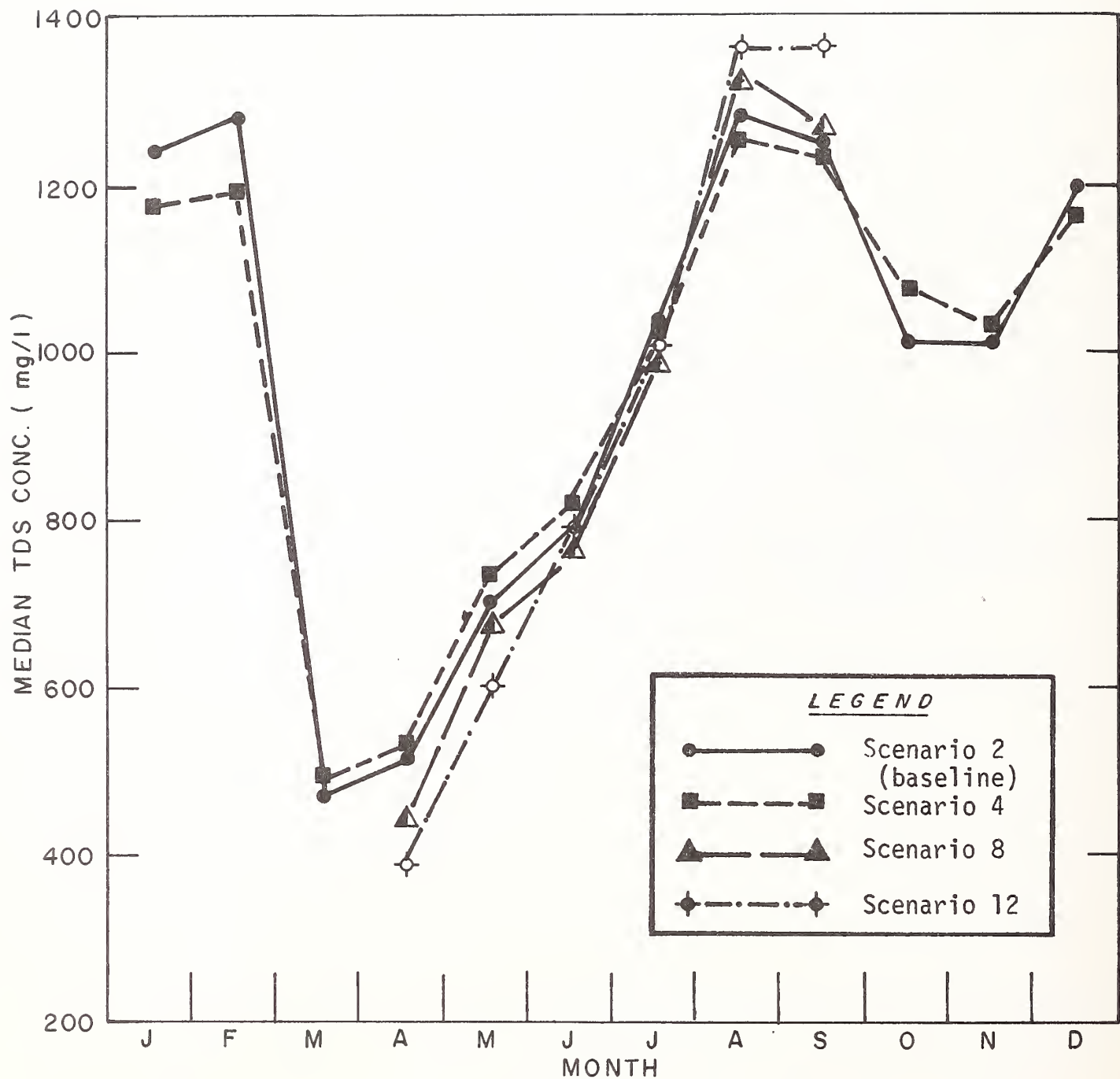


Figure V-37. Comparison of the Effect of Development Scenarios on the Concentration of TDS in the Poplar River near Poplar, Montana

For those months with sufficient flow to model sulphate and SAR levels will be similar for all scenarios and little changed from baseline conditions.

2. Sensitivity Analysis

Outputs discussed above were affected by numerous decisions made during the course of model development and later assumptions as to operation of the model, initial conditions, parameter behavior and other factors. The final water quality model and it's applicability to the Poplar River basin were discussed in sections IV.A and IV.B. These discussions, while addressing the final product, did not address the sensitivity of the results to the various options and assumptions. A comparison of various scenarios, coupled with additional calculations provides an insight into the sensitivity of the model to a variety of factors.

a. Reservoir Level and Evaporation

One of the earliest sensitivity calculations was made for the purpose of examining the effect of the initial surface water level in Cookson Reservoir on later calculations of reservoir and downstream water quality. An evaluation of the calculations with incremental increases of the initial surface water level between minimum and maximum water surface elevations indicated that high inflows occurring a few years after the beginning of the period of record filled the reservoir to the maximum surface level, after which all results were similar.

Evaporation rate was another reservoir characteristic that would affect downstream water quality on both the East Poplar and the Poplar River below Cookson Reservoir. The greatest changes in water quality from incremental changes in evaporation rates would be expected at Station 1, the East Poplar River at the International Boundary. These effects would lessen further downstream as groundwater and tributary inflows dilute reservoir releases.

To analyze the impact of changes in evaporation rate, scenario 8 was reconsidered with natural and forced evaporation rates varied by $\pm 20\%$ from the values provided in the MME model. The monthly median TDS concentrations for the three rates are tabulated at Station 1 for comparison.

The data show that the maximum effect would occur during winter while minimum difference occurs during spring. This pattern results from the regional hydrology. In spring, runoff will increase reservoir storage and reduce salt concentrations. As the year progresses, evaporation continues to concentrate the salts until the following spring when the cycle begins again. Thus, differences will be accentuated as the cycle continues, resulting in changing TDS concentrations by 12% by January in this upstream station. However, downstream at station 12, results were negligible. Similar patterns were observed with boron concentrations.

Table V-11 Median TDS Concentrations (mg/l) at
Station 1 Resulting from Changes in Evaporation Rates

<u>Month</u>	<u>Rate</u>		
	<u>+20%</u>	<u>Normal</u>	<u>-20%</u>
January	1220	1080	1000
February	1200	1070	990
March	1030	990	940
April	950	940	900
May	980	940	920
June	1000	960	920
July	1040	1020	930
August	1080	1040	980
September	1130	1060	980
October	1120	1060	1000
November	1120	1050	1000
December	1160	1070	990

b. Generating Capacity and Ash Lagoons

Model sensitivity to power plant construction can be observed by comparison of the reservoir before either generating unit was in place (scenario 3) with one and two units in place (scenarios 4 and 5). These comparisons, which include the effect of ash lagoon overflow and higher evaporation rates will have the greatest impact on quality at the East Poplar River at the International Boundary. Figure V-38 indicates that the increase in TDS concentration for the first generating unit is greater than for the second unit. Incremental increases in boron concentrations are almost equal for each generating unit. To estimate how much of the incremental increase results from the ash lagoon pickup, scenario 10 was also examined for the case of no contribution from ash lagoons (Figure V-39); this roughly approximates dry ash handling. These data indicate that without ash lagoons the boron concentration is reduced to a level approximately 9 percent higher than with the reservoir alone. The TDS concentration is also reduced to a level about 13 percent higher than with the reservoir alone. The model shows that about 90 percent of the boron increase is due to ash lagoon pickup.

c. Water Uses

Model sensitivity to development in Canada and the United States was analysed by comparing the output of scenario 7 with scenario 8 for development years 1975 and 1985 in both the United States and Canada. The comparison was made on the Poplar River above the West Poplar (station 8), since this location is below much of the development in both countries. Increased development results in a reduction in the median flow during the irrigation season from 3.41 to 2.55 hm³ and from 7.32 to 6.95 hm³ for March and April, respectively. However, mean flows during these months are reduced by only 7 and 4%, respectively. Differences become insignificant after the irrigation season. Even with flow decreases as indicated, the

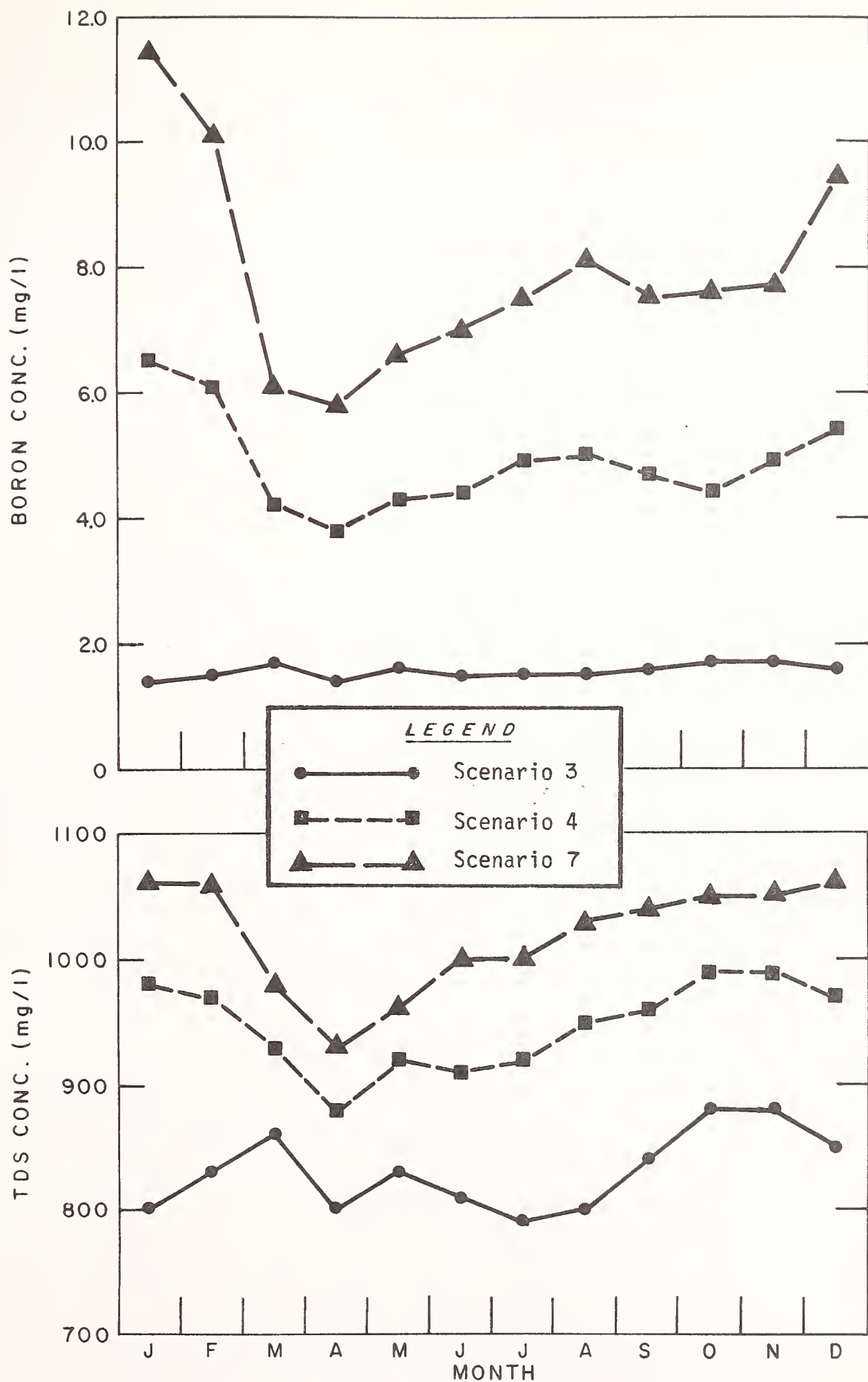


Figure V-38. Sensitivity of Projected Concentrations of Boron and TDS in the East Poplar River at International Boundary to Sequences of Power Plant Development

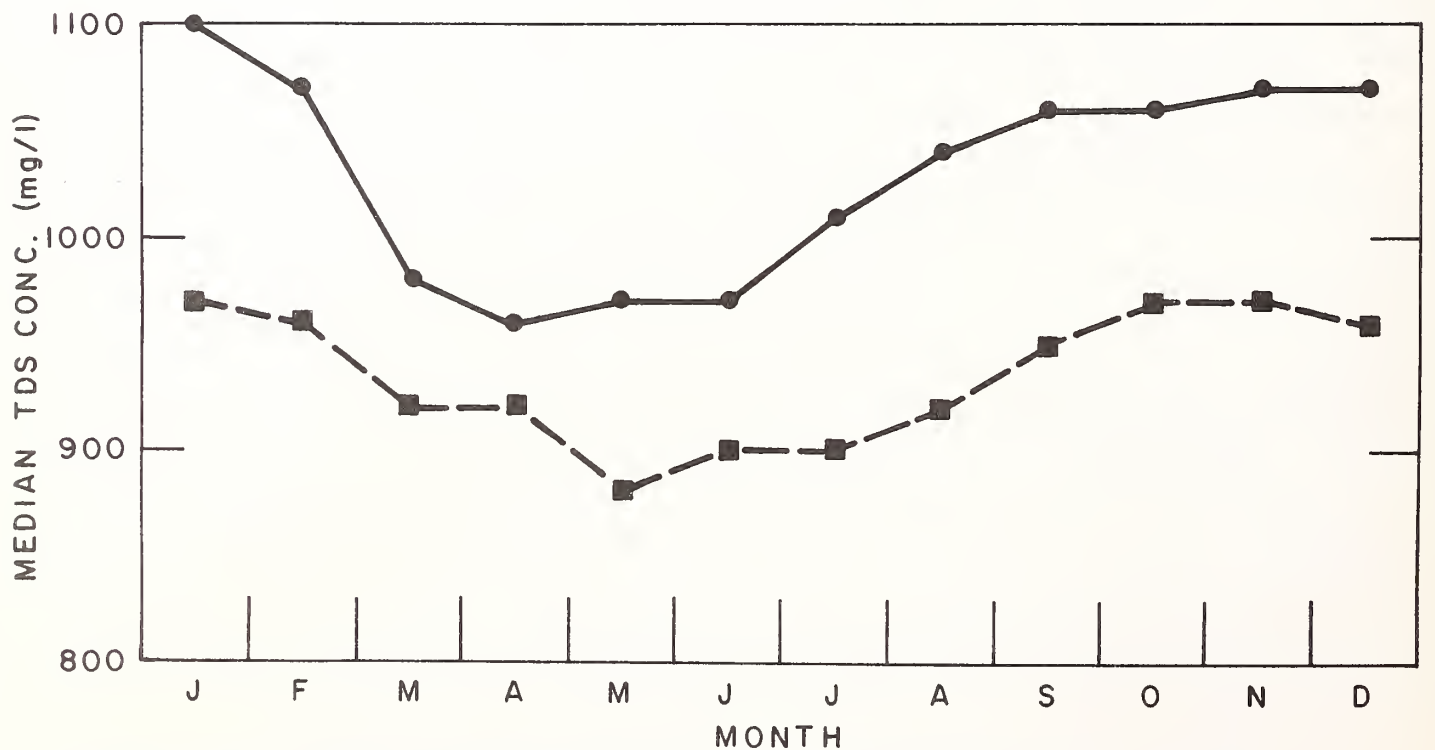
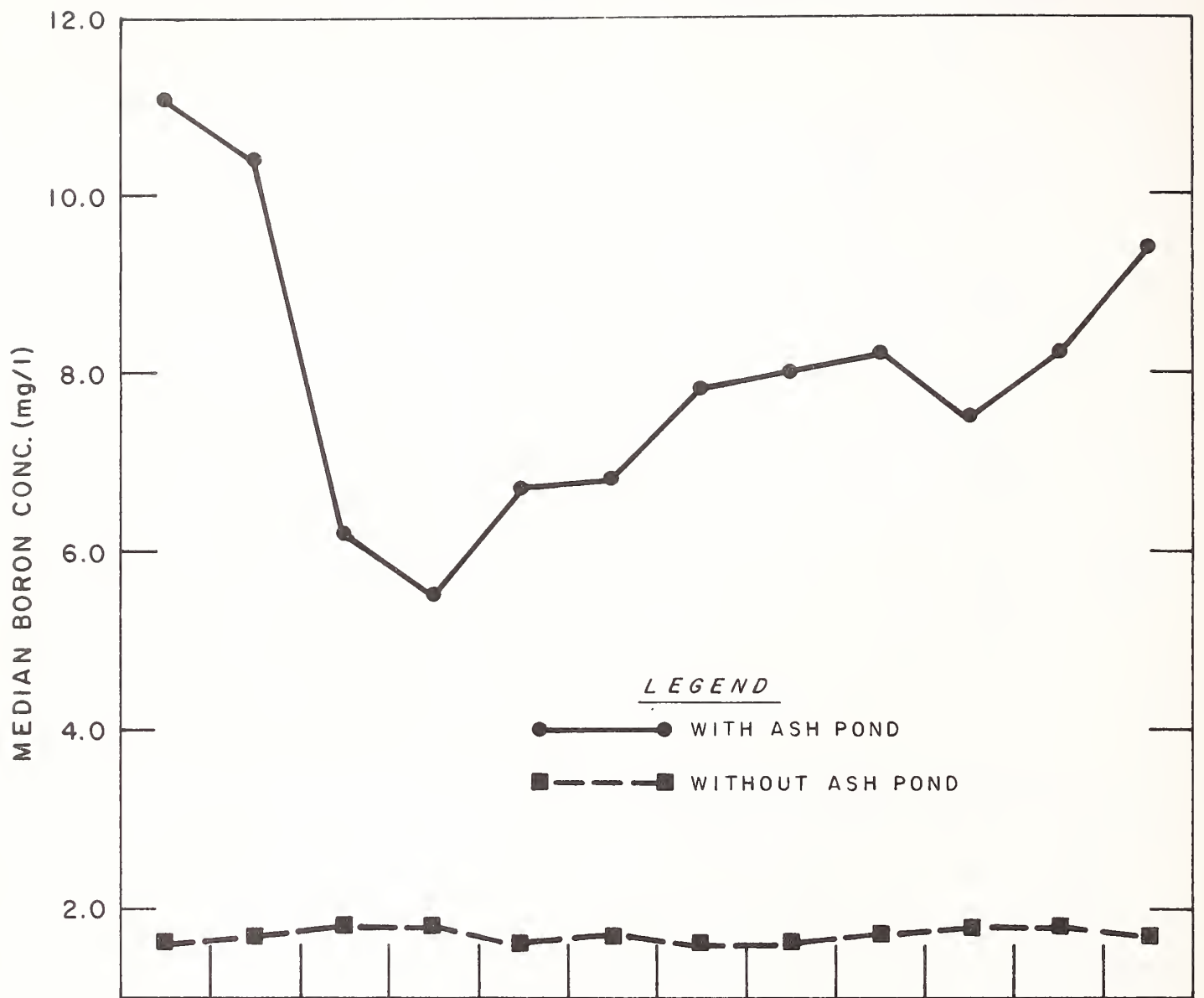


Figure V-39. Impact of Removing Ash Lagoon Pickup and Boron and TDS Concentrations of the East Poplar River at International Boundary for Scenario 10

resulting increases in TDS are only 1 to 2% during this period, while changes in boron and SAR are negligible. Thus incremented growth in both Canada and the United States has small effect on model outputs.

Because of the uncertainty associated with the amount of acreage cultivated by sprinkler irrigation above station 7 and 11, these estimates were adjusted and scenario 2 was recalculated with the new figures. Above station 7 acreage was reduced from 474 to 200 acres with a reduction in irrigation water requirements from 1090 to 460 AF. Above station 11 acreage was reduced from 353 to 274 acres with a resulting reduction in irrigation flow requirements from 810 to 630 AF.

Reduction in irrigation demands resulted in negligible change in TDS concentrations at stations 7 or 11 and a maximum change of less than 4% at station 12 (during August). This slight improvement in water quality indicates that the model is not very sensitive to assumptions about sprinkler irrigation requirements.

d. Salt Balance

Several scenarios were considered where salts were treated as non-conservative pollutants (scenarios 13-15 and 20-21). In these cases salts removed during irrigation on the West Poplar River, the Poplar River and all tributaries in Canada were not returned to the system. This assumption did not affect flows in the basin but impacted TDS concentrations and to a lesser extent boron and SAR. In all cases the assumption improves water quality since salts are removed from the system. In terms of overall effect, major improvement occurs at border stations; improvement is less noticeable further downstream as irrigation and irrigation return flows impact on the system. Thus if a conservative and a non-conservative scenario (10 and 13) are compared, their difference demonstrate the model sensitivity to the assumption. Table V-12 lists the improvements in median monthly TDS at three Poplar River stations; at the Boundary (station 4); near Scobey (station 7); and above the West Poplar (station 8).

Table V-12. Incremental Improvements in TDS Concentration (mg/l) When Salts are Non-Conservative Pollutants (Scenarios 10-13)

	Station		
Month	4	7	8
January	4 -	-	-
February	-	-	-
March	180	120	70
April	160	90	30
May	160	60	40
June	160	70	40
July	170	-	0
August	160	-	0
September	180	-	0
October	190	60	40
November	190	110	20
December	180	0	0

Part of the improvement observed at station 8 also results from the reduction in solids of the contribution from Cow Creek (station 2). Thus, while removing salts results in an improvement of about 25 percent at the boundary, this is reduced to 5-10 percent downstream as irrigation and dilution deteriorate water quality.

e. Quality of Irrigation Return Flow

Because of significant irrigation in the basin, return flow quality could have major effect on model predictions. Lack of available data forced a wide range of assumptions requiring consideration. As discussed earlier, the final model returns most of the irrigation return flow with groundwater quality. To examine model sensitivity to irrigation return flow quality, an additional scenario (comparable to scenario 4), was calculated in which all salts diverted during irrigation were recovered in the return flow (Figure V-40). Since it was assumed one third of the flow returns, this resulted in a concentration by a factor of three of the salts in the return flow. Table V-13 shows the TDS and boron increases in the Poplar River above the West Poplar (station 8) when return flow contains all diluted salts. Since flow remain the same between scenarios increases are proportional to loads. The Table shows that the output concentrations are extremely sensitive to assumptions about groundwater return flow quality. Maximum increases occur during winter months because little streamflow is available to dilute the concentrated return flow. Thus, while TDS and boron show maximum concentration increases of 62 and 96% respectively, these occurred during December and January when impact is minor. Similar increases would be expected at all stations below irrigation diversions. While not likely to occur in the immediate future, the higher concentrations could result from long term irrigation and might be considered an upper limit to salt concentrations expected. The scenario would become more extreme if, in addition to returning all salts in the flow diversion, an additional pickup was considered to occur through soil leaching or fertilization.

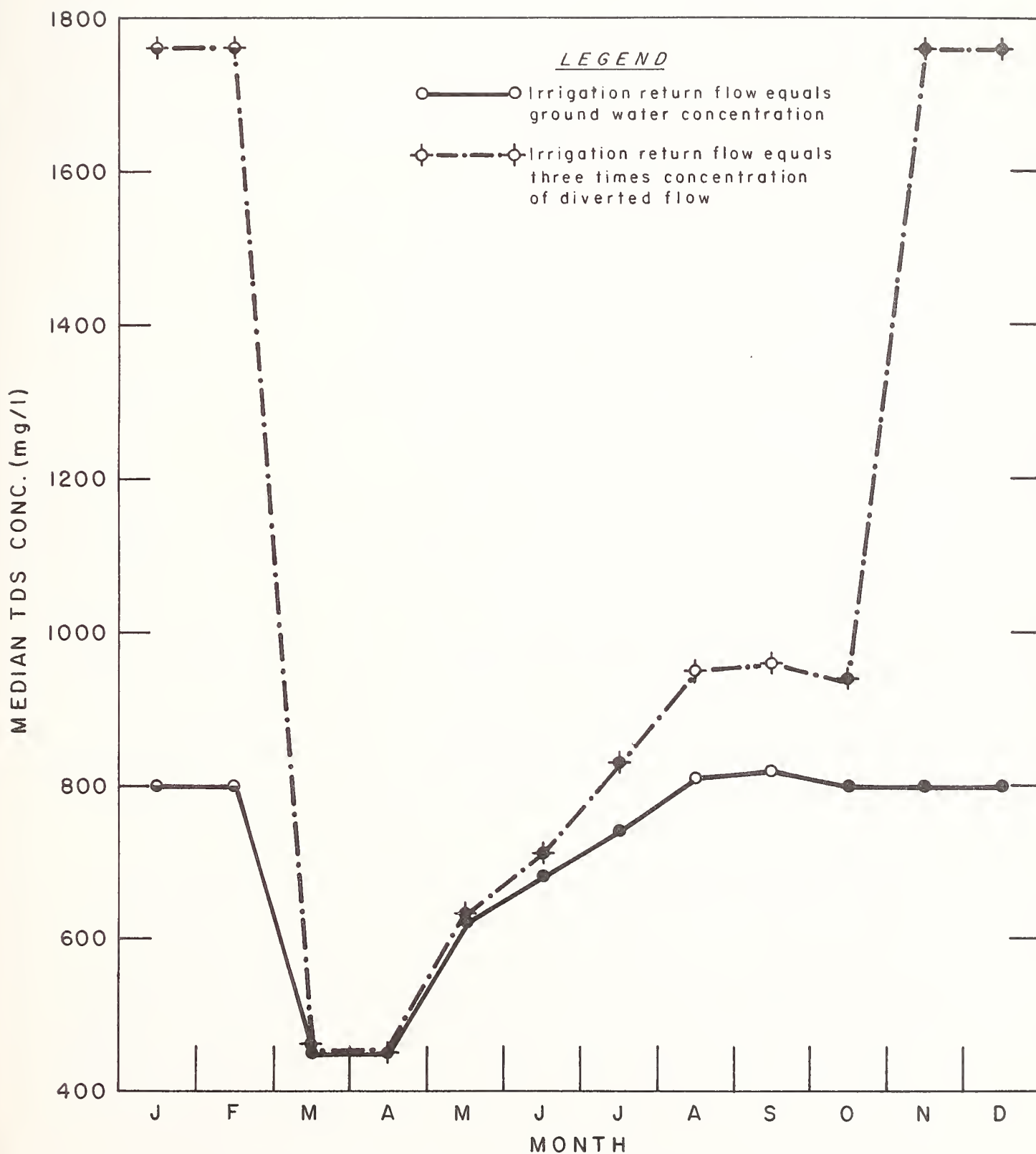


Figure V-40. Impact of Irrigation Return Flow Quality on Concentration of West Poplar River near Bredette, Montana for Scenario 4

Table V-13. Increases in TDS and Boron Concentrations in the Poplar River near Scobey Resulting from the Assumption that all Irrigation Water Returns with a Salt Concentration Three Times Greater than When Applied

<u>Month</u>	<u>TDS Increase</u>		<u>Boron Increase</u>		<u>N</u>	<u>Q</u>
	mg/l	%	mg/l	%	Years	hm ³ /Mo.
J	690	62	26	70	42	0.25
F	570	52	20	49	42	0.23
M	20	4	0.1	11	30	3.41
A	30	5	0.0	0	42	7.31
M	40	5	0.1	7	41	2.83
J	60	7	0.2	12	37	1.66
J	70	8	0.3	16	23	0.39
A	320	32	1.3	48	20	0.01
S	390	37	1.7	59	26	0.22
O	240	24	0.8	35	42	0.76
N	200	19	1.1	48	42	0.88
D	520	47	2.5	96	42	0.50

VI. MITIGATION

A. Mitigation Measures Examined

The Mine and Reservoir Operations Committee has selected a mitigation measure consisting of a combined, recirculating ash lagoon with no or limited decant, treated to a quality equal or better than that of the water in Cookson Reservoir. A number of operating procedures would keep ash lagoon seepage at a rate not exceeding 1.5 l/s and 5 l/s to the East Poplar River below Morrison Dam and Cookson Reservoir, respectively. Table VI-1 shows the projected concentration of TDS boron and major ions in this modified ash lagoon seepage.

Table VI-1. Concentration of TDS Boron and Major Ions in the Seepage from a Recirculating Ash Lagoon Proposed as a Mitigation Measure (Operation Committee, Personal Communication)

Parameter	Concentration mg/l
Ca	600
Mg	500
Na/K	700
Cl	70
Total alkalinity	800
SO ₄	1500
B	50

In addition, the Surface Water Quality Committee has assumed three other possibilities as follows:

1. The concentration of parameters in the recirculating ash lagoon will be 20% higher than projected.
2. The concentration of parameters in the recirculating ash lagoon will be 20% lower than projected.
3. The seepage from the recirculating ash lagoon to the River will be eliminated and seepage to the Reservoir will be limited to 2.5 l/s.

These additional measures are included as a guide to permit an approximate determination of the affect on water quality if the IPRWQB wishes to examine mitigation measures which will produce ash lagoon seepages or concentration higher or lower than those projected for the recirculating ash lagoon.

B. Method of Data Presentation

Only boron and TDS data is presented because the Uses and Objectives Committee have determined that only these two parameters will interfere with water users in the U.S. if the SPC project proceeds as originally planned.

Expected TDS and boron levels at all station for the four mitigation measures examined and for the four main categories of scenarios (2, 4, 8, 12) can be found in attachments 2c and 3c. However, only the mitigation measures proposed by the Operation Committee will be discussed and at only those stations where the SPC project as originally planned was shown (Chapter V) to have a significant impact on boron and TDS concentrations.

C. Effects of Mitigation on the Projected Water Quality

1. Boron

a. East Poplar River at International Boundary

Mitigation applied to a one unit power plant and existing water uses (Scenario 4) will reduce the maximum boron level in the East Poplar River at the International Boundary from 6.5 mg/l to 4 mg/l; within 1 mg/l of the presently existing boron concentration (Figure VI-1). During the irrigation season the maximum boron level with mitigation and one power unit will be 3 mg/l.

With two power units and 1985 uses (Scenario 8) mitigation will result in a decrease of the maximum boron concentration from about 12 mg/l to 5 mg/l and, during the irrigation season, maximum boron will not exceed about 5.5 mg/l; a reduction of 3.5 mg/l (Figure VI-2).

Mitigation imposed on the full development (Scenario 12) at this station will not result in boron concentration significantly different from those expected with Scenario 8 (Figure VI-3).

b. East Poplar River Near Scobey

Mitigating the effect of one power unit reduces the maximum boron concentration in the East Poplar River near Scobey from about 6 mg/l to 4 mg/l. During the irrigation season, mitigation imposed on Scenario 4 results in a maximum boron concentration of 2.5 mg/l which is a reduction of 3 mg/l from the unmitigated value and an increase from the existing level of about 1 mg/l (Figure VI-4).

Mitigating Scenario 8 (two power units 1985 uses) decreases the annual maximum boron from about 7 mg/l to 3 mg/l and decreases the irrigation season maximum from about 3.5 mg/l to 2.5 mg/l (Figures VI-5). Scenario 12 (full development) mitigation produces similar boron levels to those expected with Scenario 8 mitigation.

c. Poplar River Near Scobey

With Scenario 4 and mitigation, the annual maximum boron concentration in the Poplar River below Scobey decreases from about 4.5 mg/l to about 2.5 mg/l. During the irrigation season the maximum boron concentration at this station will be about 2 mg/l with mitigation and Scenario 4, compared to 3 mg/l without mitigation (Figure VI-6).

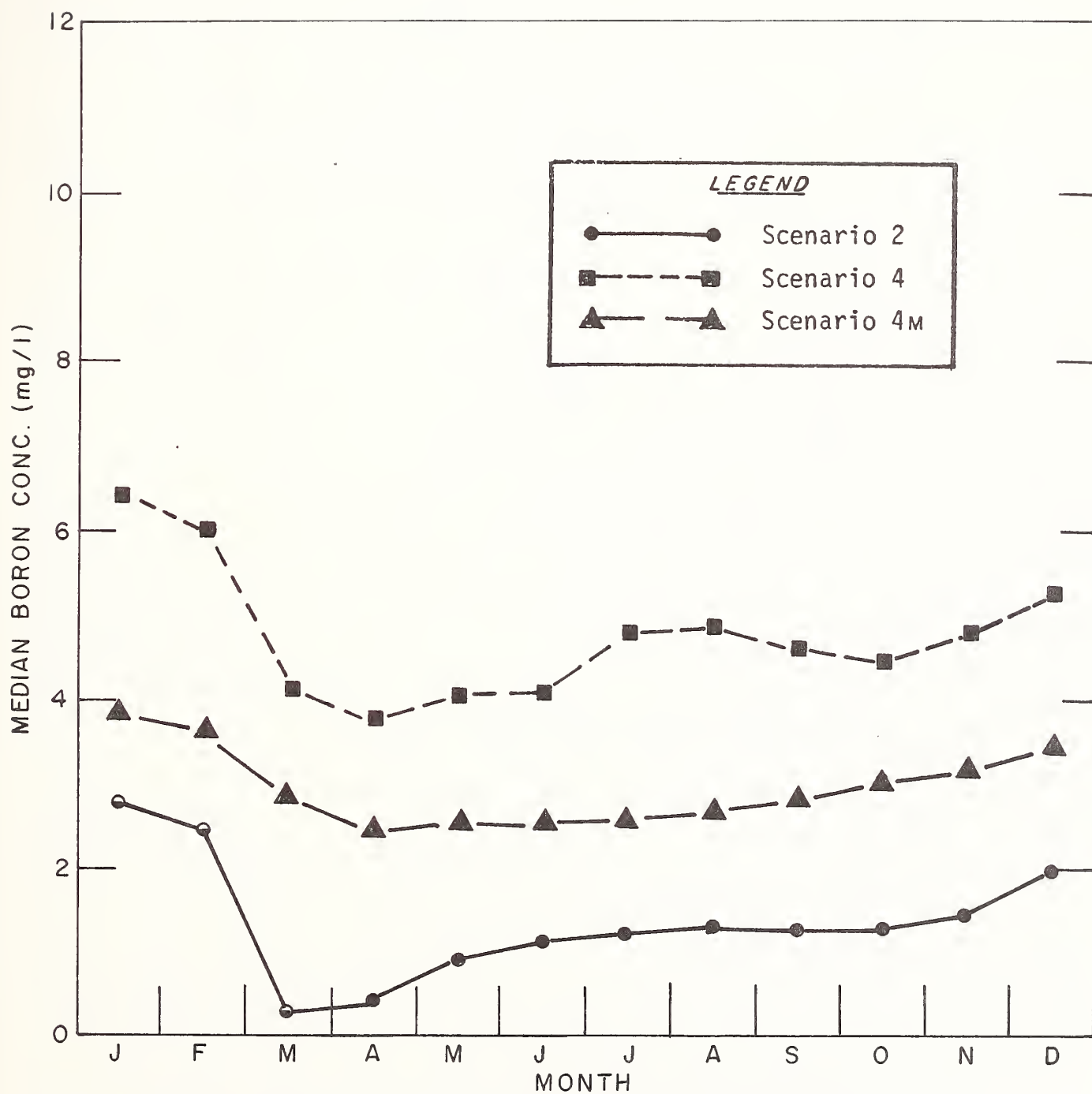


Figure VI-1. Effect of Mitigation on Boron Concentrations in the East Poplar at the International Boundary

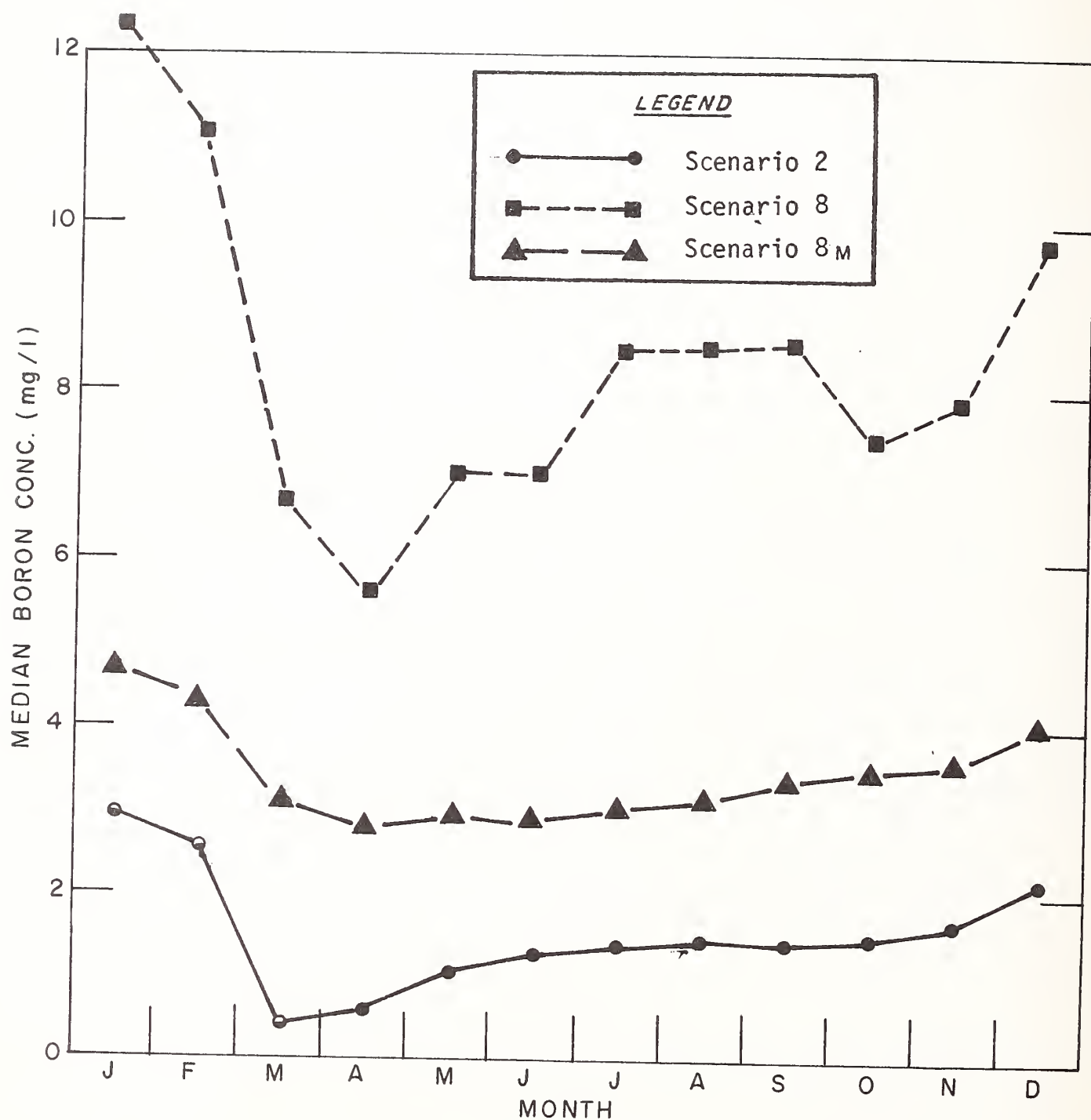


Figure VI-2. Effect of Mitigation on Boron Concentration in the East Poplar at the International Boundary

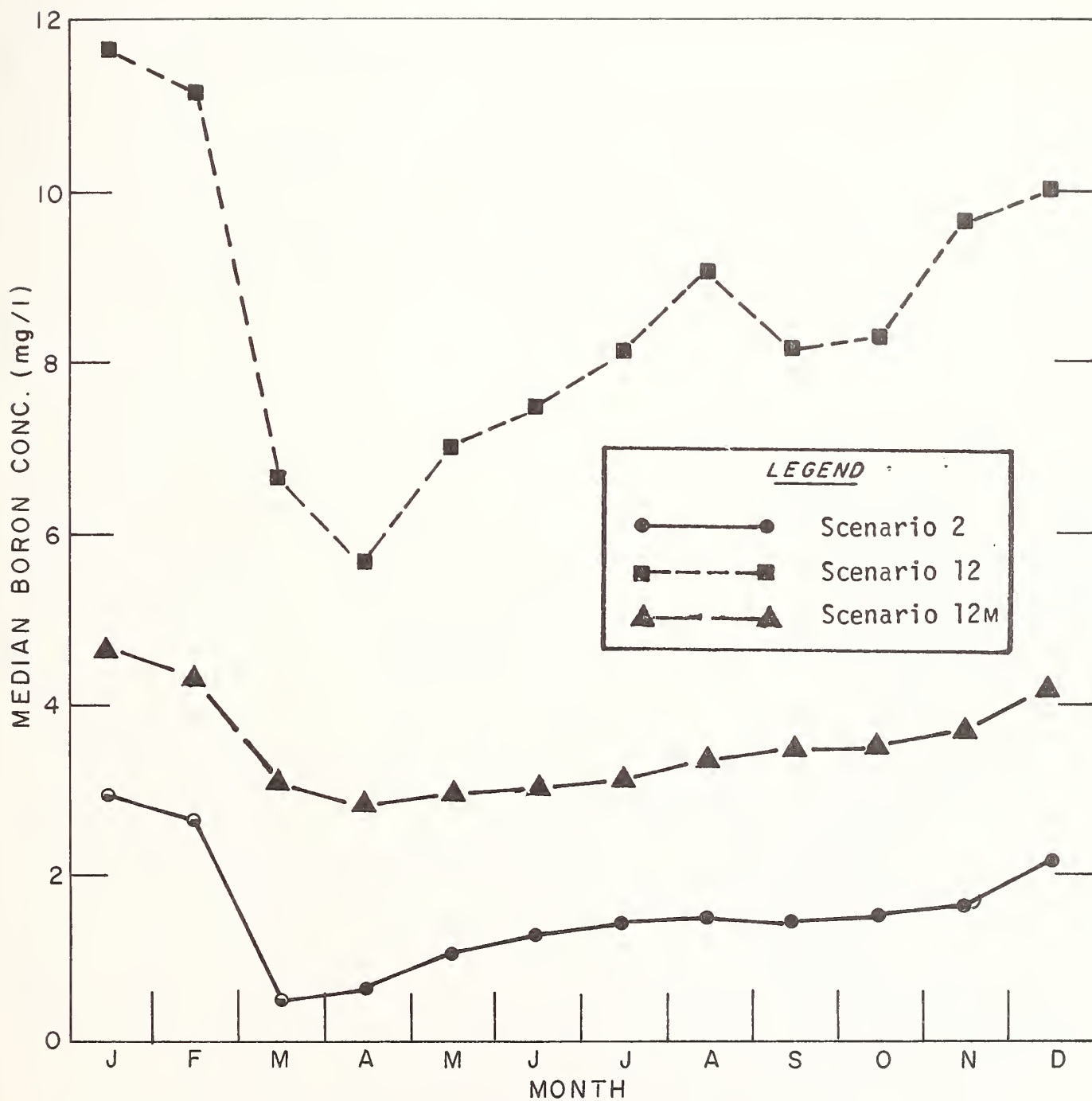


Figure VI-3. Effect of Mitigation on Boron Concentrations in the East Poplar at the International Boundary

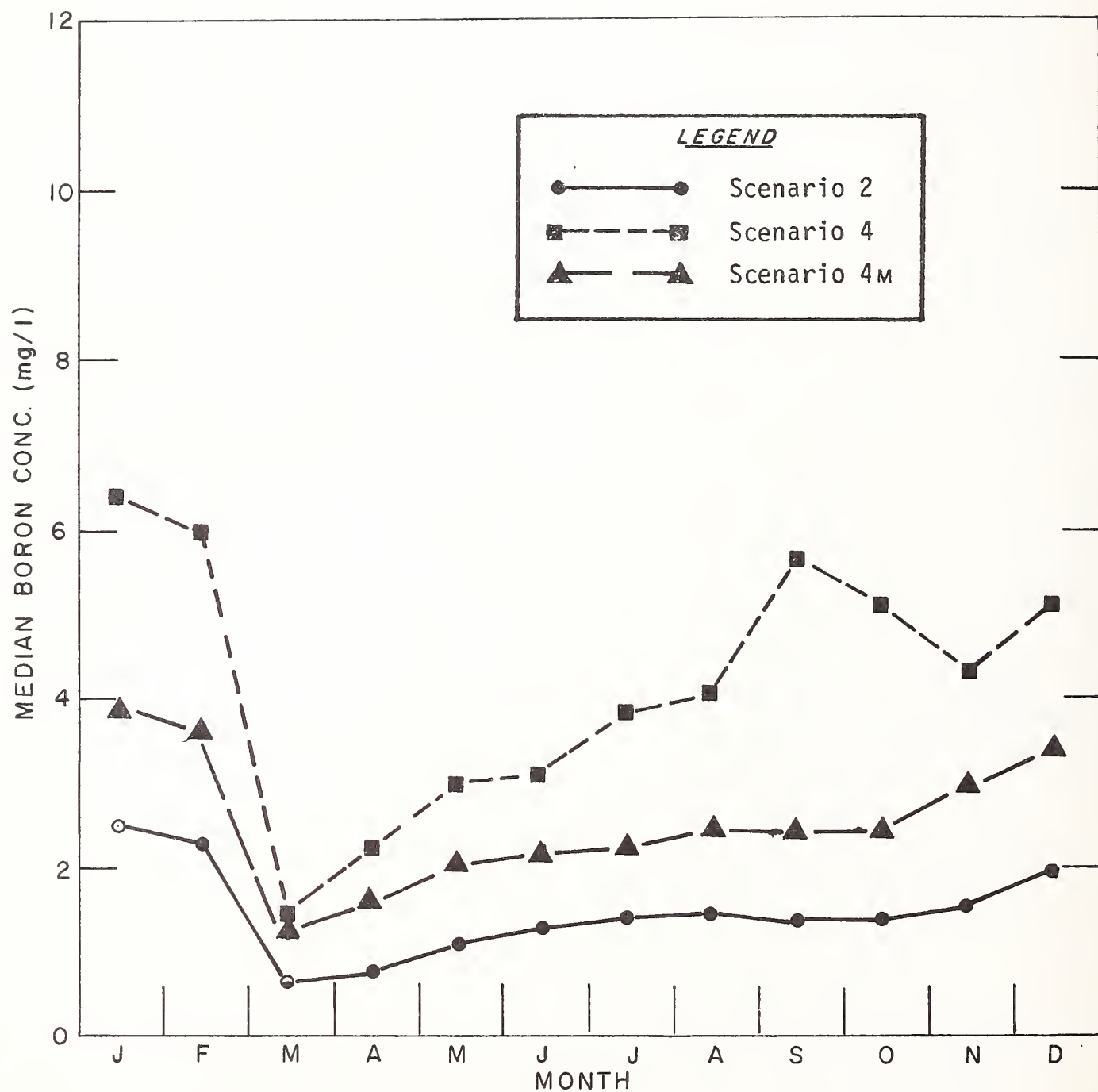


Figure VI-4. Effect of Mitigation on Boron Concentrations in the East Poplar River near Scobey, Montana

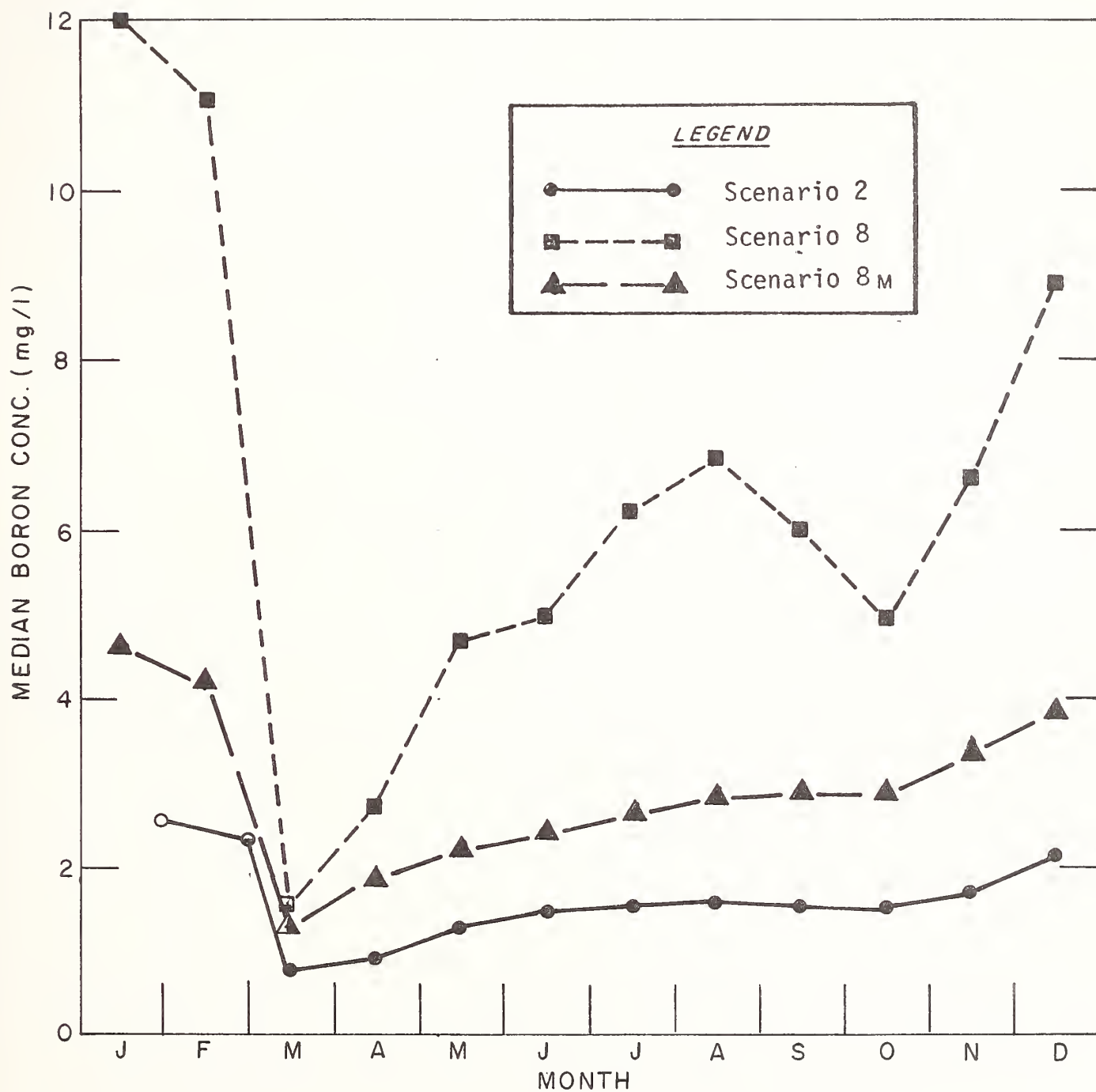


Figure VI-5. Effect of Mitigation on Boron Concentrations in the East Poplar River near Scobey, Montana

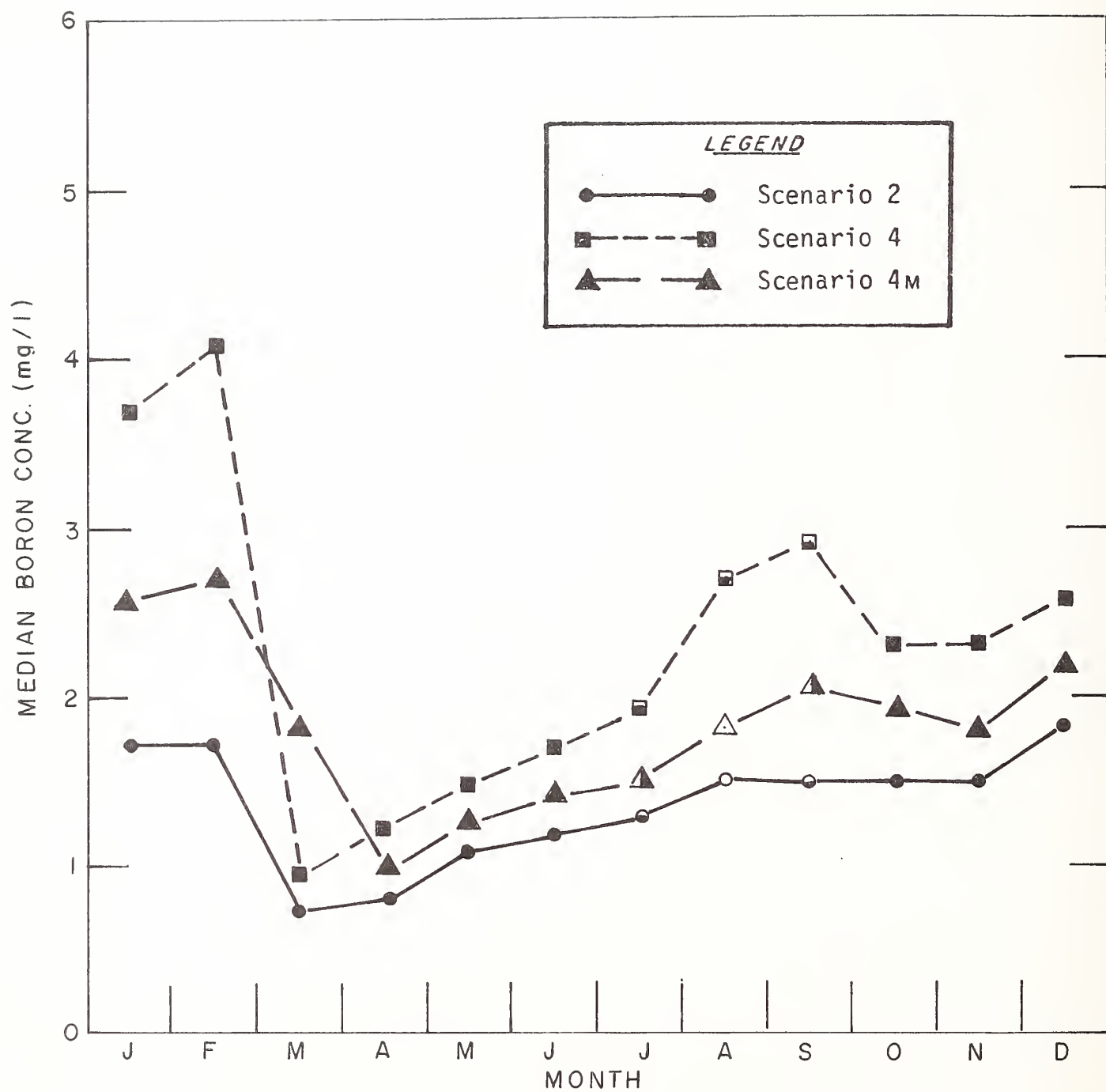


Figure VI-6. Effect of Mitigation on Boron Concentrations in the Poplar River above the West Fork

Mitigation applied to Scenario 8 will decrease the maximum boron concentration from about 6.5 mg/l to about 3 mg/l and the irrigation season maximum from about 3.5 mg/l to about 2.5 mg/l (Figure VI-7). In the Poplar River near Scobey, mitigation of Scenario 12 will decrease the annual projected maximum from about 6 mg/l to 3 mg/l and the irrigation season maximum from about 3.5 mg/l to about 2 mg/l.

2. TDS

The mitigation as suggested by the Operations Committee increases the projected TDS for all Scenarios in the East Poplar River (Figures VI-9, 10, 11, 12, 13). The maximum increase over the unmitigated scenario level is about 130 mg/l which occurs during winter. During the mitigation season, there is little difference between the mitigated and unmitigated level of TDS. Mitigation at the lower station results in concentrations not significantly different from the level of TDS projected for the Basin if the SPC project proceeds as originally planned.

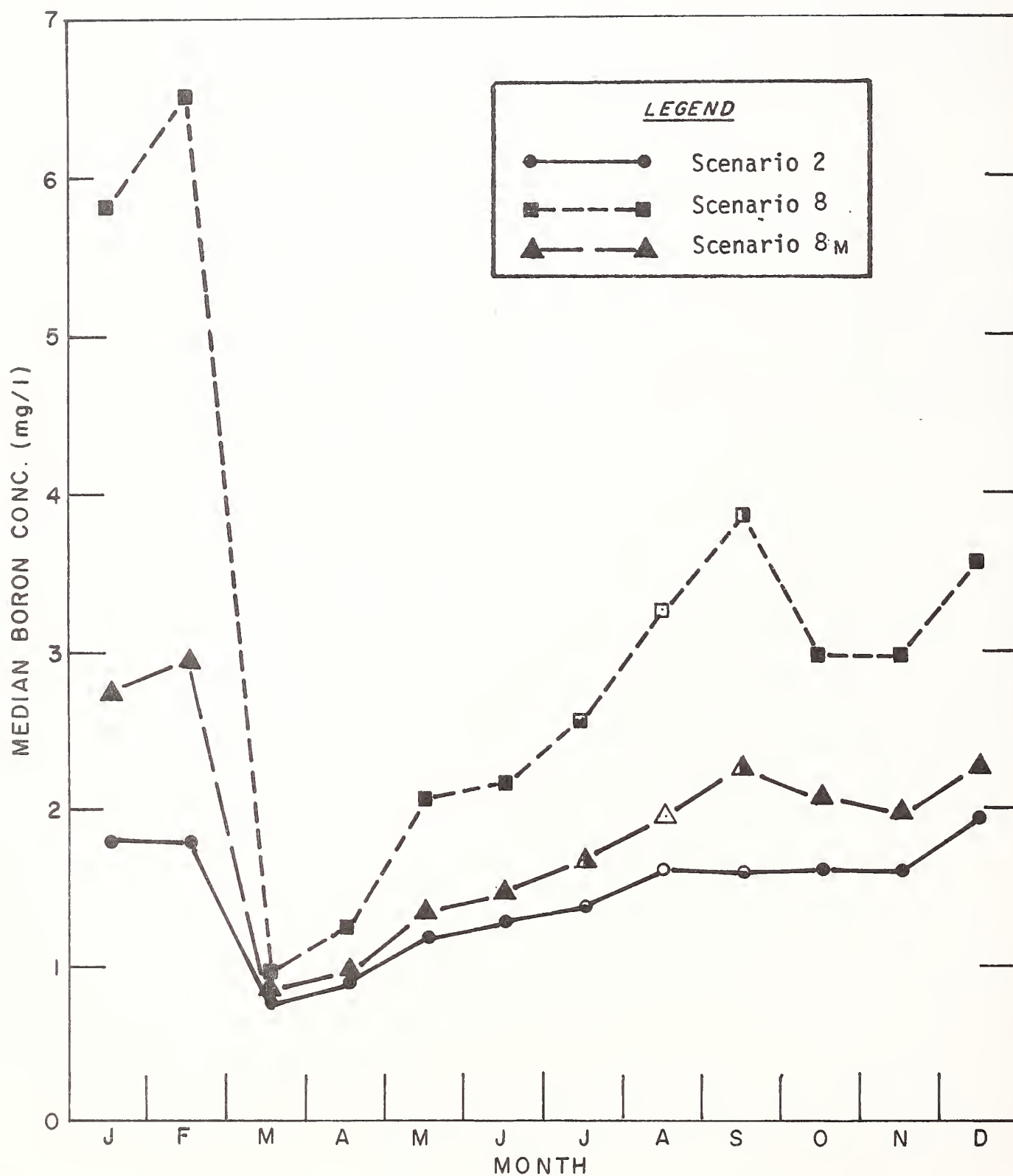


Figure VI-7. Effect of Mitigation on Boron Concentrations in the Poplar River above the West Fork

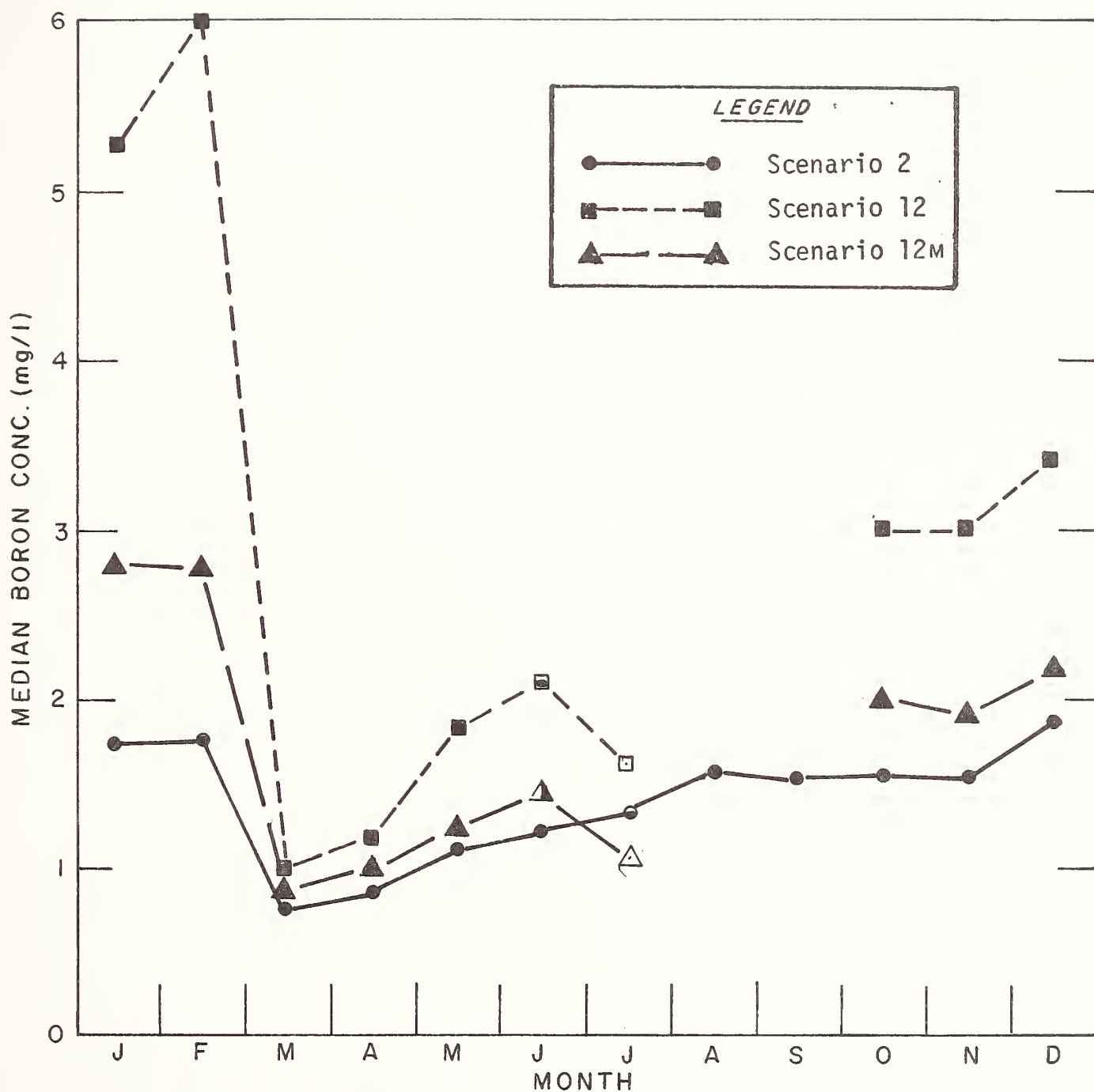


Figure VI-8. Effect of Mitigation on Boron Concentrations in the Poplar River above the West Fork

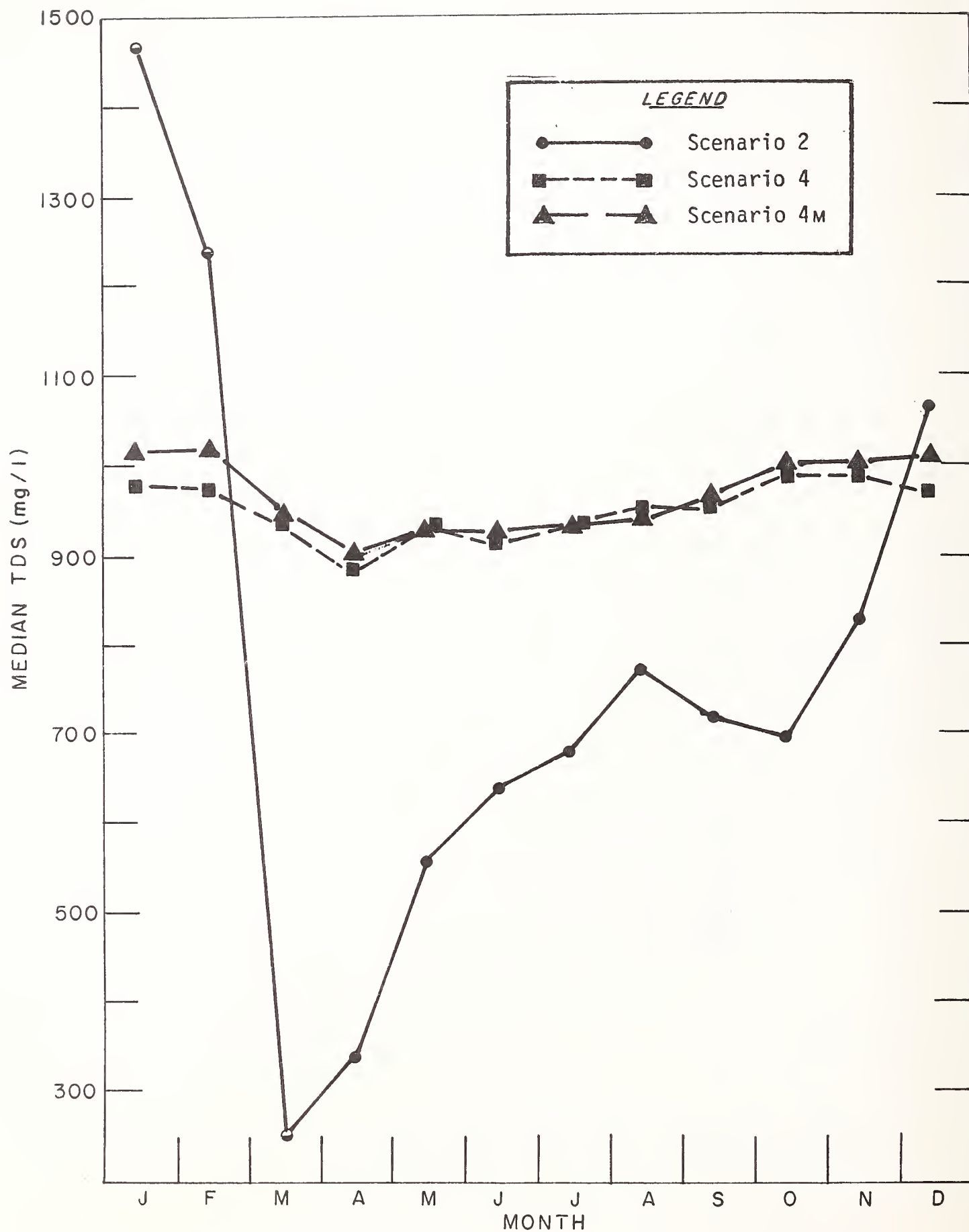


Figure VI-9. Effect of Mitigation on TDS Concentrations in the East Poplar at the International Boundary

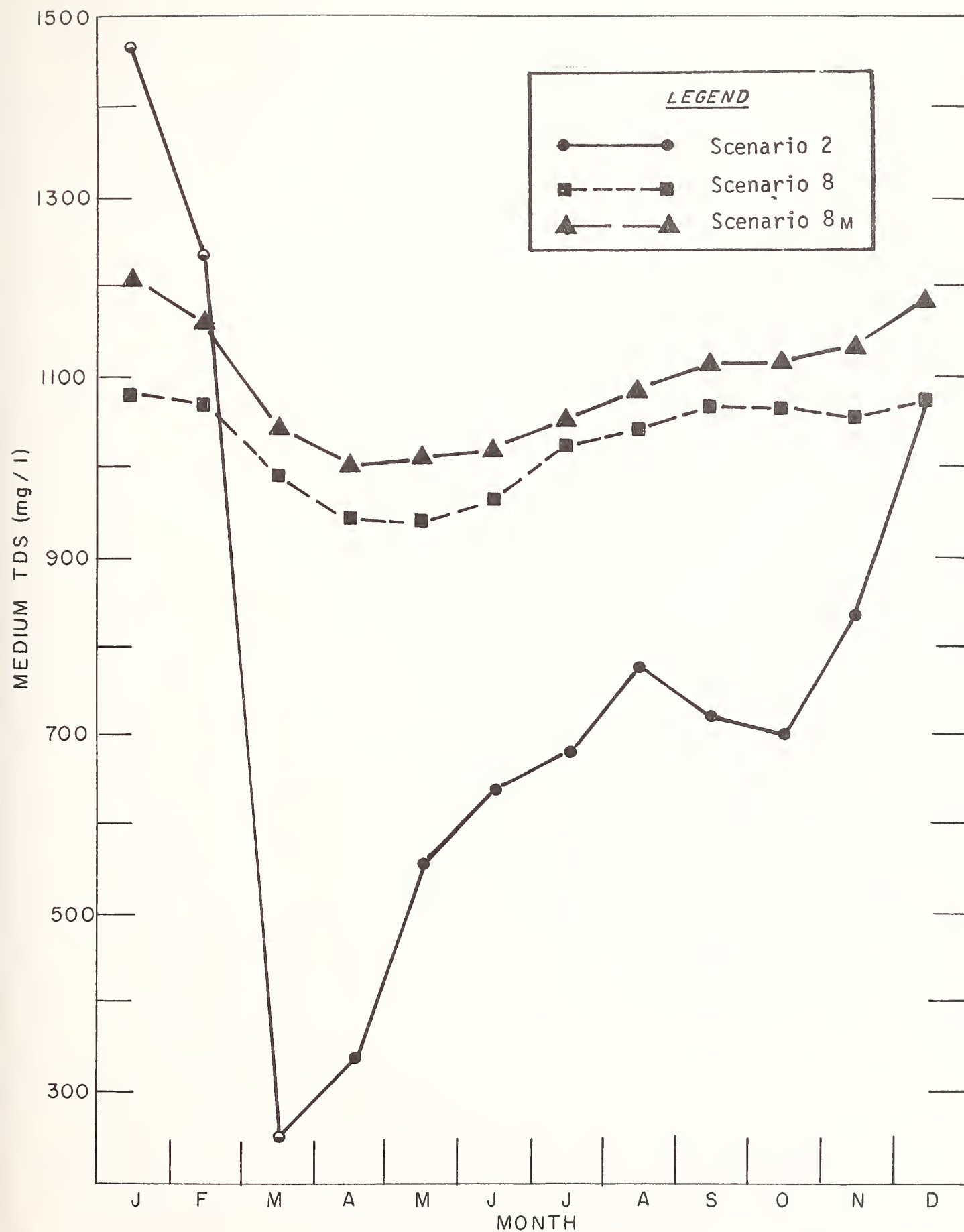


Figure VI-10.. Effect of Mitigation on TDS Concentrations in the East Poplar at the International Boundary

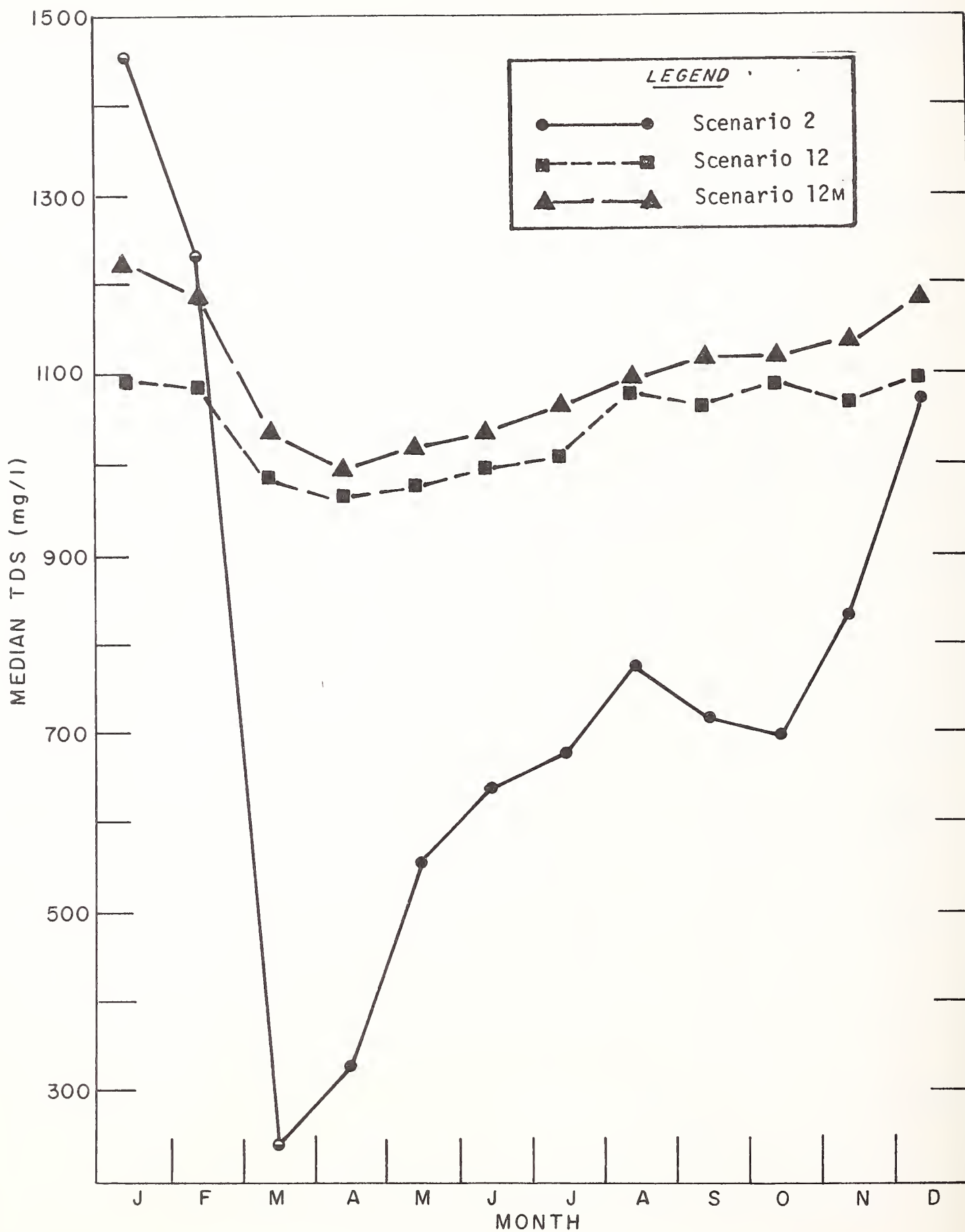


Figure VI-11. Effect of Mitigation on TDS Concentrations in the East Poplar at the International Boundary

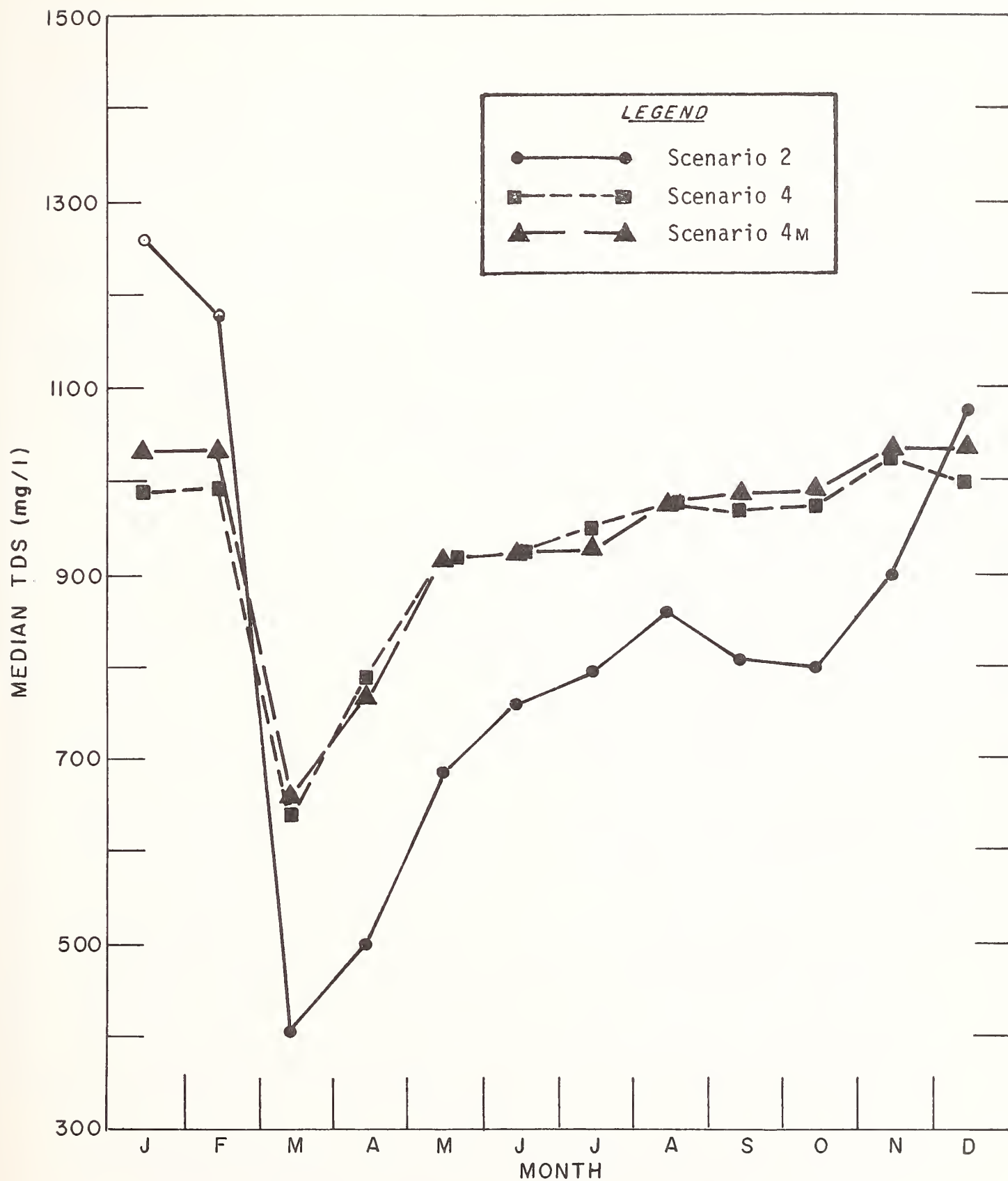


Figure VI-12. Effect of Mitigation on TDS Concentrations in the East Poplar River near Scobey, Montana

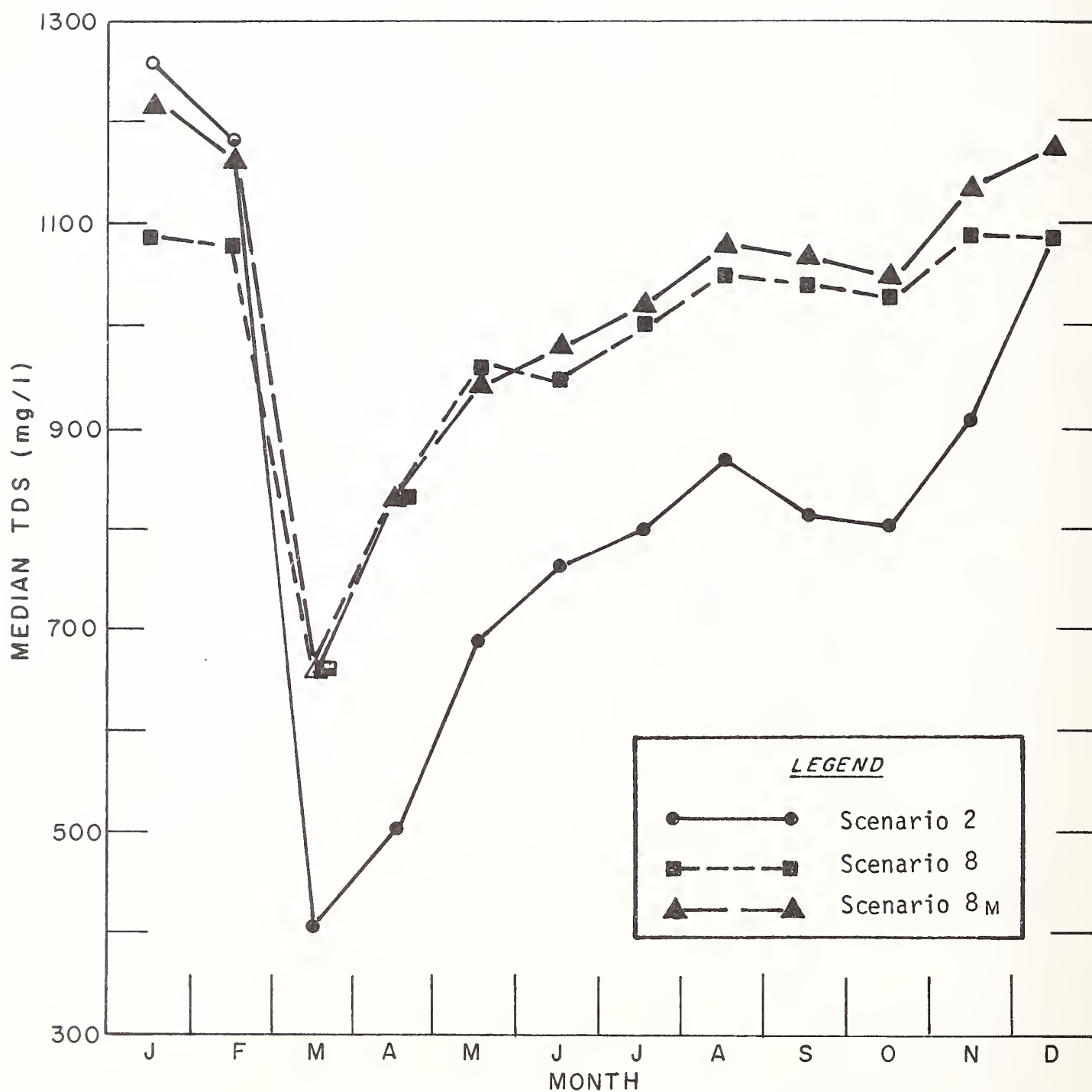


Figure VI-13. Effect of Mitigation on TDS Concentrations in the East Poplar River near Scobey, Montana

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ATTACHMENT 1

Predicted Flows in the Poplar River Basin for the
Various Scenarios Examined.

STATION 1

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC-10	SC-11	SC-12	SC-13	SC-14	SC-15
JAN MEAN	0.06	0.06	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
90%	0.11	0.11	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17
50%	0.06	0.06	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
10%	0.0	0.0	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	0.12	0.12	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
90%	0.26	0.26	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
50%	0.01	0.01	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
10%	0.01	0.01	0.09	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	4.19	4.04	1.81	1.04	0.76	0.76	0.51	0.41	0.41	0.50	0.43	0.43	0.50	0.43	0.43
90%	12.98	11.76	6.39	3.44	0.86	0.86	0.51	0.33	0.33	0.30	0.30	0.30	0.30	0.30	0.30
50%	2.22	1.11	0.28	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
10%	0.19	0.0	0.18	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
APR MEAN	6.78	6.52	5.63	4.59	4.15	4.15	3.65	3.00	3.00	3.59	3.06	3.06	3.59	3.06	3.06
90%	22.47	22.12	19.51	16.46	15.33	15.33	11.35	7.68	7.68	13.54	10.85	10.85	13.54	10.85	10.85
50%	2.11	2.11	0.51	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
10%	0.56	0.52	0.34	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	1.22	1.21	0.96	1.06	1.06	1.06	0.97	1.08	1.08	0.94	0.98	0.98	0.94	0.98	0.98
90%	2.14	2.14	1.45	2.84	2.83	2.83	1.83	2.22	2.22	2.06	1.79	1.79	2.06	1.79	1.79
50%	0.62	0.62	0.41	0.43	0.43	0.43	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
10%	0.41	0.39	0.37	0.39	0.39	0.39	0.40	0.39	0.39	0.40	0.40	0.40	0.40	0.40	0.40
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	0.67	0.66	0.53	0.50	0.48	0.48	0.47	0.46	0.46	0.50	0.46	0.46	0.50	0.46	0.46
90%	1.18	1.17	0.76	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
50%	0.48	0.47	0.42	0.43	0.43	0.43	0.44	0.44	0.44	0.43	0.44	0.44	0.43	0.44	0.44
10%	0.36	0.35	0.34	0.36	0.36	0.36	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	0.46	0.45	0.33	0.36	0.36	0.36	0.35	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
90%	0.68	0.67	0.69	0.71	0.71	0.71	0.71	0.72	0.72	0.72	0.71	0.71	0.72	0.71	0.71
50%	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
10%	0.22	0.21	0.38	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG MEAN	0.32	0.32	0.45	0.46	0.46	0.46	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
90%	0.94	0.94	0.61	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
50%	0.42	0.41	0.42	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
10%	0.16	0.15	0.32	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP MEAN	0.33	0.36	0.30	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
90%	0.52	0.51	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
50%	0.31	0.31	0.30	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
10%	0.18	0.17	0.23	0.24	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT MEAN	0.38	0.38	0.21	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
90%	0.58	0.57	0.22	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
50%	0.38	0.38	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
10%	0.19	0.18	0.18	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	0.27	0.27	0.19	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
90%	0.37	0.37	0.19	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
50%	0.26	0.26	0.15	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
10%	0.20	0.19	0.18	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	0.16	0.16	0.15	0.17	0.17	0.17	0.18	0.17	0.17	0.18	0.17	0.17	0.18	0.17	0.17
90%	0.24	0.24	0.16	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
50%	0.12	0.12	0.16	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
10%	0.09	0.09	0.13	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 1 SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.06	0.14	0.15	0.15	0.15	0.15
90%	0.11	0.16	0.16	0.17	0.16	0.16
50%	0.06	0.15	0.15	0.15	0.15	0.15
10%	0.0	0.11	0.12	0.12	0.12	0.12
N	42	42	42	42	42	42
FEB MEAN	0.12	0.14	0.14	0.14	0.14	0.14
90%	0.26	0.16	0.17	0.17	0.17	0.17
50%	0.07	0.14	0.14	0.14	0.14	0.14
10%	0.01	0.10	0.11	0.11	0.11	0.11
N	42	42	42	42	42	42
MAR MEAN	4.04	1.04	0.51	0.50	0.51	0.41
90%	11.76	3.44	0.51	0.30	0.51	0.33
50%	1.77	0.30	0.30	0.30	0.30	0.30
10%	0.0	0.20	0.21	0.21	0.21	0.21
N	42	42	42	42	42	42
APR MEAN	6.52	4.59	3.65	3.59	3.65	3.00
90%	22.12	16.46	11.35	13.54	11.35	7.68
50%	2.10	0.46	0.37	0.37	0.37	0.37
10%	0.52	0.36	0.36	0.36	0.36	0.36
N	42	42	42	42	42	42
MAY MEAN	1.21	1.06	0.97	0.94	0.97	1.08
90%	2.14	2.84	1.83	2.06	1.83	2.22
50%	0.63	0.43	0.44	0.44	0.44	0.44
10%	0.39	0.39	0.40	0.40	0.40	0.39
N	42	42	42	42	42	42
JUN MEAN	0.66	0.50	0.47	0.50	0.47	0.46
90%	1.17	0.55	0.55	0.55	0.55	0.55
50%	0.47	0.43	0.44	0.43	0.44	0.44
10%	0.35	0.36	0.37	0.37	0.37	0.37
N	42	42	42	42	42	42
JUL MEAN	0.45	0.56	0.55	0.54	0.55	0.54
90%	0.67	0.71	0.71	0.72	0.71	0.72
50%	0.41	0.51	0.51	0.51	0.51	0.51
10%	0.21	0.40	0.40	0.40	0.40	0.40
N	42	42	42	42	42	42
AUG MEAN	0.32	0.46	0.47	0.47	0.47	0.47
90%	0.44	0.62	0.63	0.63	0.63	0.63
50%	0.31	0.44	0.44	0.44	0.44	0.44
10%	0.15	0.33	0.33	0.33	0.33	0.33
N	42	42	42	42	42	42
SEP MEAN	0.36	0.32	0.32	0.32	0.32	0.32
90%	0.51	0.38	0.38	0.38	0.38	0.38
50%	0.37	0.32	0.32	0.32	0.32	0.32
10%	0.17	0.24	0.24	0.25	0.24	0.25
N	42	42	42	42	42	42
OCT MEAN	0.38	0.23	0.23	0.23	0.23	0.23
90%	0.57	0.24	0.24	0.24	0.24	0.24
50%	0.38	0.23	0.24	0.24	0.24	0.24
10%	0.18	0.20	0.20	0.20	0.20	0.20
N	42	42	42	42	42	42
NOV MEAN	0.27	0.21	0.21	0.21	0.21	0.21
90%	0.37	0.21	0.22	0.22	0.22	0.22
50%	0.26	0.21	0.21	0.21	0.21	0.21
10%	0.19	0.20	0.20	0.20	0.20	0.20
N	42	42	42	42	42	42
DEC MEAN	0.16	0.17	0.18	0.18	0.18	0.17
90%	0.24	0.18	0.19	0.19	0.19	0.19
50%	0.15	0.17	0.18	0.18	0.18	0.18
10%	0.09	0.15	0.15	0.15	0.15	0.15
N	42	42	42	42	42	42

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

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STATION 2

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
MAR MEAN	0.82	0.82	0.82	0.64	0.82	0.82
90%	2.21	2.21	2.21	1.94	2.21	2.21
50%	0.46	0.46	0.46	0.20	0.46	0.46
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
APR MEAN	0.94	0.94	0.94	0.86	0.94	0.94
90%	3.02	3.02	3.02	2.92	3.02	3.02
50%	0.32	0.32	0.32	0.22	0.32	0.32
10%	0.05	0.05	0.05	0.02	0.05	0.05
N	42	42	42	42	42	42
MAY MEAN	0.11	0.11	0.11	0.08	0.11	0.11
90%	0.29	0.29	0.29	0.26	0.29	0.29
50%	0.06	0.06	0.06	0.03	0.06	0.06
10%	0.02	0.02	0.02	0.01	0.02	0.02
N	42	42	42	42	42	42
JUN MEAN	0.06	0.06	0.06	0.05	0.06	0.06
90%	0.14	0.14	0.14	0.13	0.14	0.14
50%	0.02	0.02	0.02	0.01	0.02	0.02
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
JUL MEAN	0.03	0.03	0.03	0.02	0.03	0.03
90%	0.07	0.07	0.07	0.06	0.07	0.07
50%	0.02	0.02	0.02	0.02	0.02	0.02
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
AUG MEAN	0.01	0.01	0.01	0.01	0.01	0.01
90%	0.02	0.02	0.02	0.02	0.02	0.02
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
SEP MEAN	0.02	0.02	0.02	0.01	0.02	0.02
90%	0.05	0.05	0.05	0.04	0.05	0.05
50%	0.01	0.01	0.01	0.0	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
OCT MEAN	0.02	0.02	0.02	0.01	0.02	0.02
90%	0.05	0.05	0.05	0.04	0.05	0.05
50%	0.01	0.01	0.01	0.0	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42

STATION 3

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.04	0.03	0.10	0.11	0.11	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
90%	0.10	0.09	0.14	0.14	0.14	0.13	0.14	0.14	0.13	0.14	0.14	0.13	0.14	0.14	0.13
50%	0.04	0.02	0.10	0.11	0.11	0.10	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
10%	0.0	0.0	0.07	0.08	0.08	0.08	0.09	0.09	0.08	0.09	0.08	0.08	0.09	0.08	0.08
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.12
90%	0.25	0.23	0.15	0.17	0.17	0.16	0.17	0.17	0.16	0.16	0.17	0.16	0.16	0.17	0.16
50%	0.07	0.06	0.11	0.11	0.11	0.10	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.11
10%	0.0	0.0	0.06	0.07	0.07	0.06	0.08	0.08	0.07	0.08	0.07	0.07	0.08	0.07	0.07
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	8.11	6.34	4.03	3.25	2.88	2.72	2.72	2.52	2.36	2.55	2.39	2.23	2.55	2.39	2.23
90%	20.02	17.08	9.41	7.62	6.87	6.60	6.44	6.12	5.85	6.21	5.86	5.59	6.21	5.86	5.59
50%	4.42	2.42	1.18	1.21	1.08	0.79	1.21	1.06	0.79	0.95	0.79	0.52	0.95	0.79	0.52
10%	0.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
APR MEAN	10.92	10.38	9.56	8.53	8.04	7.94	7.60	6.90	6.79	7.44	6.85	6.75	7.44	6.85	6.75
90%	35.85	35.38	33.96	31.06	29.33	29.24	25.60	21.28	21.08	27.31	23.99	23.99	27.31	23.99	23.99
50%	3.53	3.56	2.20	2.01	1.90	1.76	2.01	1.91	1.77	1.77	1.68	1.67	1.77	1.68	1.67
10%	1.00	0.86	0.67	0.69	0.63	0.37	0.70	0.64	0.37	0.62	0.49	0.22	0.62	0.49	0.22
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	1.49	1.43	1.19	1.28	1.27	1.20	1.20	1.29	1.22	1.13	1.16	1.09	1.13	1.16	1.09
90%	2.76	2.71	2.26	3.70	3.68	3.61	2.36	2.69	2.63	2.08	2.57	2.51	2.08	2.57	2.51
50%	0.43	0.48	0.77	0.79	0.78	0.71	0.80	0.78	0.72	0.76	0.74	0.68	0.76	0.74	0.68
10%	0.35	0.41	0.43	0.45	0.44	0.34	0.42	0.40	0.32	0.41	0.39	0.21	0.41	0.39	0.21
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	0.95	0.86	0.73	0.71	0.66	0.57	0.68	0.64	0.55	0.70	0.63	0.54	0.70	0.63	0.54
90%	1.87	1.78	1.24	1.15	1.12	1.03	1.12	1.08	0.98	1.10	1.06	0.96	1.10	1.06	0.96
50%	0.72	0.61	0.57	0.59	0.57	0.57	0.60	0.57	0.48	0.58	0.56	0.47	0.58	0.56	0.47
10%	0.44	0.36	0.37	0.38	0.36	0.26	0.35	0.37	0.27	0.38	0.35	0.26	0.38	0.35	0.26
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	0.78	0.66	0.74	0.77	0.73	0.58	0.76	0.72	0.57	0.75	0.71	0.55	0.75	0.71	0.55
90%	1.12	1.00	0.93	0.98	0.94	0.79	0.98	0.91	0.77	0.94	0.90	0.76	0.94	0.90	0.76
50%	0.42	0.47	0.65	0.64	0.60	0.55	0.64	0.60	0.46	0.63	0.59	0.45	0.63	0.59	0.45
10%	0.32	0.20	0.35	0.37	0.33	0.18	0.36	0.33	0.18	0.37	0.33	0.18	0.37	0.33	0.18
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG MEAN	0.44	0.35	0.48	0.49	0.46	0.34	0.45	0.46	0.34	0.45	0.46	0.34	0.49	0.46	0.34
90%	0.67	0.57	0.70	0.72	0.69	0.56	0.72	0.69	0.57	0.72	0.69	0.57	0.72	0.69	0.57
50%	0.44	0.44	0.47	0.48	0.45	0.23	0.48	0.46	0.33	0.48	0.45	0.33	0.48	0.45	0.33
10%	0.12	0.01	0.24	0.25	0.22	0.10	0.24	0.21	0.09	0.24	0.21	0.09	0.24	0.21	0.09
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP MEAN	0.51	0.45	0.40	0.41	0.40	0.35	0.42	0.40	0.35	0.41	0.40	0.35	0.41	0.40	0.35
90%	0.77	0.72	0.52	0.53	0.52	0.47	0.53	0.53	0.48	0.53	0.52	0.47	0.53	0.52	0.47
50%	0.22	0.47	0.41	0.43	0.42	0.27	0.43	0.42	0.37	0.42	0.41	0.36	0.42	0.41	0.36
10%	0.14	0.07	0.16	0.17	0.16	0.10	0.18	0.16	0.11	0.18	0.16	0.11	0.18	0.16	0.11
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT MEAN	0.55	0.52	0.35	0.37	0.37	0.36	0.37	0.37	0.36	0.37	0.37	0.36	0.37	0.37	0.36
90%	0.87	0.84	0.49	0.51	0.51	0.50	0.51	0.51	0.50	0.50	0.50	0.49	0.50	0.50	0.49
50%	0.46	0.43	0.37	0.38	0.38	0.37	0.39	0.38	0.38	0.37	0.37	0.36	0.37	0.37	0.36
10%	0.24	0.21	0.22	0.23	0.23	0.22	0.24	0.24	0.23	0.24	0.24	0.23	0.24	0.24	0.23
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	0.31	0.29	0.21	0.23	0.23	0.22	0.24	0.23	0.23	0.23	0.23	0.22	0.23	0.23	0.22
90%	0.40	0.38	0.25	0.27	0.27	0.26	0.27	0.27	0.26	0.27	0.27	0.27	0.27	0.27	0.27
50%	0.33	0.28	0.21	0.23	0.23	0.22	0.23	0.23	0.22	0.23	0.23	0.22	0.23	0.23	0.22
10%	0.22	0.20	0.19	0.20	0.20	0.19	0.21	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	0.14	0.13	0.13	0.14	0.14	0.13	0.15	0.15	0.14	0.15	0.15	0.14	0.15	0.15	0.14
90%	0.26	0.24	0.18	0.19	0.19	0.18	0.20	0.19	0.19	0.20	0.20	0.19	0.20	0.20	0.19
50%	0.12	0.13	0.12	0.14	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.13	0.14	0.14	0.13
10%	0.07	0.06	0.10	0.11	0.11	0.11	0.12	0.12	0.11	0.12	0.12	0.11	0.12	0.12	0.11
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 3

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.04	0.13	0.13	0.13	0.13	0.13
90%	0.10	0.15	0.15	0.15	0.15	0.15
50%	0.04	0.13	0.13	0.13	0.13	0.13
10%	0.0	0.10	0.10	0.10	0.10	0.10
N	42	42	42	42	42	42
FEB MEAN	0.13	0.15	0.15	0.15	0.15	0.15
90%	0.25	0.19	0.19	0.18	0.19	0.19
50%	0.07	0.13	0.13	0.13	0.13	0.13
10%	0.0	0.09	0.10	0.09	0.10	0.10
N	42	42	42	42	42	42
MAR MEAN	7.16	4.16	3.63	3.44	3.63	3.53
90%	16.80	8.74	7.57	7.33	7.57	7.40
50%	3.17	2.33	2.33	2.08	2.33	2.23
10%	0.12	0.29	0.29	0.27	0.29	0.29
N	42	42	42	42	42	42
APR MEAN	10.65	8.72	7.78	7.64	7.78	7.14
90%	35.85	31.56	26.15	27.56	26.15	21.65
50%	3.21	1.98	1.98	1.78	1.98	2.12
10%	0.90	0.78	0.79	0.71	0.79	0.79
N	42	42	42	42	42	42
MAY MEAN	1.48	1.33	1.24	1.18	1.24	1.35
90%	2.76	3.75	2.41	2.12	2.41	2.75
50%	0.92	0.84	0.84	0.80	0.84	0.84
10%	0.55	0.50	0.46	0.45	0.46	0.46
N	42	42	42	42	42	42
JUN MEAN	0.94	0.79	0.76	0.78	0.76	0.74
90%	1.86	1.22	1.20	1.18	1.20	1.18
50%	0.62	0.67	0.67	0.66	0.67	0.68
10%	0.44	0.46	0.47	0.46	0.47	0.47
N	42	42	42	42	42	42
JUL MEAN	0.77	0.89	0.88	0.86	0.88	0.87
90%	1.11	1.09	1.09	1.06	1.09	1.06
50%	0.58	0.77	0.77	0.77	0.77	0.77
10%	0.31	0.48	0.47	0.48	0.47	0.48
N	42	42	42	42	42	42
AUG MEAN	0.44	0.59	0.59	0.59	0.59	0.59
90%	0.60	0.81	0.81	0.81	0.81	0.81
50%	0.44	0.57	0.58	0.58	0.58	0.58
10%	0.11	0.35	0.34	0.34	0.34	0.34
N	42	42	42	42	42	42
SEP MEAN	0.50	0.46	0.46	0.46	0.46	0.46
90%	0.77	0.58	0.58	0.58	0.58	0.58
50%	0.22	0.48	0.48	0.46	0.48	0.47
10%	0.13	0.21	0.22	0.22	0.22	0.22
N	42	42	42	42	42	42
OCT MEAN	0.55	0.39	0.40	0.39	0.40	0.40
90%	0.87	0.54	0.54	0.53	0.54	0.54
50%	0.25	0.41	0.41	0.40	0.41	0.41
10%	0.24	0.25	0.26	0.27	0.26	0.26
N	42	42	42	42	42	42
NOV MEAN	0.31	0.25	0.25	0.25	0.25	0.25
90%	0.40	0.29	0.29	0.29	0.29	0.29
50%	0.22	0.25	0.25	0.25	0.25	0.25
10%	0.22	0.22	0.23	0.22	0.23	0.23
N	42	42	42	42	42	42
DEC MEAN	0.14	0.16	0.16	0.16	0.16	0.16
90%	0.26	0.20	0.21	0.21	0.21	0.21
50%	0.15	0.15	0.16	0.16	0.16	0.16
10%	0.07	0.13	0.14	0.13	0.14	0.14
N	42	42	42	42	42	42

STATION 4

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	90%	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
	50%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	10%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB	MEAN	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
	90%	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.07	0.07	0.07	0.07	0.07	0.07
	50%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	10%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR	MEAN	5.45	5.25	5.25	5.26	5.07	5.07	5.26	5.07	5.07	3.59	3.54	3.54	3.59	3.54	3.54
	90%	14.31	14.08	14.08	14.08	13.82	13.82	14.08	13.82	13.82	10.59	8.87	8.87	10.59	8.87	8.87
	50%	3.23	3.00	3.00	3.00	2.74	2.74	3.00	2.74	2.74	2.02	2.02	2.02	2.02	2.02	2.02
	10%	0.03	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
APR	MEAN	6.79	6.76	6.76	6.78	6.77	6.77	6.78	6.78	6.77	5.98	5.92	5.91	5.98	5.92	5.91
	90%	18.91	18.91	18.91	18.91	18.91	18.91	18.91	18.91	18.91	16.68	16.68	16.68	16.68	16.68	16.68
	50%	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.86	2.86	2.86	2.86	2.86	2.86
	10%	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.63	0.76	0.76	0.63	0.76	0.76
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY	MEAN	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.39	1.33	1.45	1.45	1.33	1.45	1.45
	90%	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	4.03	4.18	4.18	4.03	4.18	4.18
	50%	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.68	0.83	0.83	0.68	0.83	0.83
	10%	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.31	0.31	0.31	0.31	0.31	0.31
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN	MEAN	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	0.89	0.89	0.89	0.89	0.89	0.89
	90%	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	2.91	1.90	1.90	1.90	1.90	1.90	1.90
	50%	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.38	0.38	0.38	0.38	0.38	0.38
	10%	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.10	0.10	0.10	0.10	0.10	0.10
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL	MEAN	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.39	0.39	0.39	0.39	0.39	0.39
	90%	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	1.29	0.86	0.86	0.86	0.86	0.86	0.86
	50%	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.13	0.13	0.13	0.13	0.13	0.13
	10%	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG	MEAN	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.09	0.09	0.09	0.09	0.09	0.09
	90%	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.35	0.35	0.35	0.35	0.35	0.35
	50%	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02
	10%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP	MEAN	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.06	0.06	0.06	0.06	0.06	0.06
	90%	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.16	0.16	0.16	0.16	0.16	0.16
	50%	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
	10%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT	MEAN	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.12	0.12	0.12	0.12	0.12	0.12
	90%	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.22	0.22	0.22	0.22	0.22	0.22
	50%	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.11	0.11	0.11	0.11
	10%	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV	MEAN	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.09	0.09	0.09	0.09	0.09	0.09
	90%	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.16	0.16	0.16	0.16	0.16	0.16
	50%	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.08	0.08	0.08	0.08	0.08	0.08
	10%	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.04	0.04	0.04	0.04	0.04	0.04
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC	MEAN	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.04	0.04	0.04	0.04	0.04	0.04
	90%	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.06	0.06	0.06	0.06	0.06	0.06
	50%	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02	0.02	0.02	0.02	0.02	0.02
	10%	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 4

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.01	0.01	0.01	0.01	0.01	0.01
90%	0.03	0.03	0.03	0.03	0.03	0.03
50%	0.00	0.00	0.00	0.00	0.00	0.00
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
FEB MEAN	0.05	0.05	0.05	0.04	0.05	0.05
90%	0.12	0.12	0.12	0.07	0.12	0.12
50%	0.00	0.00	0.00	0.00	0.00	0.00
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
MAR MEAN	5.25	5.25	5.25	3.55	5.25	5.05
90%	14.08	14.08	14.08	10.58	14.08	13.82
50%	3.00	3.00	3.00	1.94	3.00	2.74
10%	0.0	0.02	0.02	0.02	0.02	0.02
N	42	42	42	42	42	42
APR MEAN	6.76	6.79	6.79	6.01	6.79	6.79
90%	18.91	18.91	18.91	16.68	18.91	18.91
50%	2.84	2.82	2.82	2.83	2.82	2.82
10%	0.68	0.68	0.68	0.63	0.68	0.68
N	42	42	42	42	42	42
MAY MEAN	1.39	1.39	1.39	1.34	1.39	1.39
90%	3.28	3.28	3.28	4.03	3.28	3.28
50%	0.56	0.56	0.56	0.68	0.56	0.56
10%	0.51	0.51	0.51	0.31	0.51	0.51
N	42	42	42	42	42	42
JUN MEAN	1.30	1.30	1.30	0.90	1.30	1.30
90%	2.91	2.91	2.91	1.90	2.91	2.91
50%	0.52	0.52	0.52	0.38	0.52	0.52
10%	0.16	0.16	0.16	0.10	0.16	0.16
N	42	42	42	42	42	42
JUL MEAN	0.54	0.54	0.54	0.39	0.54	0.54
90%	1.29	1.29	1.29	0.86	1.29	1.29
50%	0.21	0.21	0.21	0.11	0.21	0.21
10%	0.02	0.02	0.02	0.01	0.02	0.02
N	42	42	42	42	42	42
AUG MEAN	0.15	0.15	0.15	0.09	0.15	0.15
90%	0.59	0.59	0.59	0.35	0.59	0.59
50%	0.03	0.03	0.03	0.02	0.03	0.03
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
SEP MEAN	0.10	0.10	0.10	0.06	0.10	0.10
90%	0.27	0.27	0.27	0.16	0.27	0.27
50%	0.02	0.02	0.02	0.01	0.02	0.02
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
OCT MEAN	0.19	0.19	0.19	0.12	0.19	0.19
90%	0.37	0.37	0.37	0.22	0.37	0.37
50%	0.12	0.12	0.12	0.11	0.12	0.12
10%	0.02	0.02	0.02	0.01	0.02	0.02
N	42	42	42	42	42	42
NOV MEAN	0.14	0.14	0.14	0.09	0.14	0.14
90%	0.22	0.22	0.22	0.16	0.22	0.22
50%	0.14	0.14	0.14	0.08	0.14	0.14
10%	0.06	0.06	0.06	0.04	0.06	0.06
N	42	42	42	42	42	42
DEC MEAN	0.06	0.06	0.06	0.04	0.06	0.06
90%	0.11	0.11	0.11	0.06	0.11	0.11
50%	0.04	0.04	0.04	0.03	0.04	0.04
10%	0.02	0.02	0.02	0.02	0.02	0.02
N	42	42	42	42	42	42

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

[illegible]

STATION 5

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
MAR MEAN	0.26	0.26	0.26	0.23	0.26	0.26
90%	0.77	0.77	0.77	0.72	0.77	0.77
50%	0.10	0.10	0.10	0.05	0.10	0.10
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
APR MEAN	0.60	0.60	0.60	0.56	0.60	0.60
90%	2.04	2.04	2.04	1.98	2.04	2.04
50%	0.14	0.14	0.14	0.07	0.14	0.14
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
MAY MEAN	0.03	0.03	0.03	0.02	0.03	0.03
90%	0.10	0.10	0.10	0.09	0.10	0.10
50%	0.01	0.01	0.01	0.0	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
JUN MEAN	0.04	0.04	0.04	0.04	0.04	0.04
90%	0.12	0.12	0.12	0.12	0.12	0.12
50%	0.01	0.01	0.01	0.01	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
JUL MEAN	0.01	0.01	0.01	0.01	0.01	0.01
90%	0.02	0.02	0.02	0.02	0.02	0.02
50%	0.01	0.01	0.01	0.01	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
AUG MEAN	0.01	0.01	0.01	0.01	0.01	0.01
90%	0.01	0.01	0.01	0.01	0.01	0.01
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
SEP MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.01	0.01	0.01	0.01	0.01	0.01
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
OCT MEAN	0.01	0.01	0.01	0.0	0.01	0.01
90%	0.01	0.01	0.01	0.01	0.01	0.01
50%	0.01	0.01	0.01	0.01	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

	MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB	MEAN		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	90%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR	MEAN		2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.39	2.36	2.36	2.36	2.36	2.36	2.36
	90%		7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.49	7.44	7.44	7.44	7.44	7.44	7.44
	50%		1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
	10%		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	N		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
APR	MEAN		2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.62	2.62	2.62	2.62	2.62	2.62
	90%		7.57	7.57	7.57	7.57	7.57	7.57	7.57	7.57	7.57	7.51	7.51	7.51	7.51	7.51	7.51
	50%		1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	0.97	0.97	0.97	0.97	0.97	0.97
	10%		0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.20	0.20
	N		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY	MEAN		0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.42	0.42	0.42	0.42	0.42	0.42
	90%		1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.05	1.04	1.04	1.04	1.04	1.04	1.04
	50%		0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.28	0.28
	10%		0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
	N		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN	MEAN		0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.41	0.41	0.41	0.41	0.41	0.41
	90%		1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99	0.99
	50%		0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.17
	10%		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	N		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL	MEAN		0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
	90%		0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41
	50%		0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
	10%		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	N		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG	MEAN		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	90%		0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
	50%		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	10%		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	N		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP	MEAN		0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
	90%		0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
	50%		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	10%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT	MEAN		0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
	90%		0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
	50%		0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
	10%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV	MEAN		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
	90%		0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
	50%		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
	10%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC	MEAN		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10%		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N		42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 6

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
FEB MEAN	0.01	0.01	0.01	0.01	0.01	0.01
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
MAR MEAN	2.39	2.39	2.39	2.36	2.39	2.39
90%	7.49	7.49	7.49	7.44	7.49	7.49
50%	1.03	1.03	1.03	1.02	1.03	1.03
10%	0.02	0.02	0.02	0.02	0.02	0.02
N	42	42	42	42	42	42
APR MEAN	2.66	2.66	2.66	2.62	2.66	2.66
90%	7.57	7.57	7.57	7.51	7.57	7.57
50%	1.04	1.04	1.04	0.97	1.04	1.04
10%	0.21	0.21	0.21	0.20	0.21	0.21
N	42	42	42	42	42	42
MAY MEAN	0.43	0.43	0.43	0.42	0.43	0.43
90%	1.05	1.05	1.05	1.04	1.05	1.05
50%	0.22	0.22	0.22	0.28	0.22	0.22
10%	0.15	0.15	0.15	0.15	0.15	0.15
N	42	42	42	42	42	42
JUN MEAN	0.42	0.42	0.42	0.41	0.42	0.42
90%	1.00	1.00	1.00	0.99	1.00	1.00
50%	0.18	0.18	0.18	0.17	0.18	0.18
10%	0.05	0.05	0.05	0.05	0.05	0.05
N	42	42	42	42	42	42
JUL MEAN	0.17	0.17	0.17	0.17	0.17	0.17
90%	0.41	0.41	0.41	0.41	0.41	0.41
50%	0.07	0.07	0.07	0.07	0.07	0.07
10%	0.01	0.01	0.01	0.01	0.01	0.01
N	42	42	42	42	42	42
AUG MEAN	0.05	0.05	0.05	0.05	0.05	0.05
90%	0.19	0.19	0.19	0.19	0.19	0.19
50%	0.01	0.01	0.01	0.01	0.01	0.01
10%	0.01	0.01	0.01	0.01	0.01	0.01
N	42	42	42	42	42	42
SEP MEAN	0.04	0.04	0.04	0.04	0.04	0.04
90%	0.09	0.09	0.09	0.09	0.09	0.09
50%	0.01	0.01	0.01	0.01	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
OCT MEAN	0.06	0.06	0.06	0.06	0.06	0.06
90%	0.11	0.11	0.11	0.11	0.11	0.11
50%	0.06	0.06	0.06	0.06	0.06	0.06
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
NOV MEAN	0.02	0.02	0.02	0.02	0.02	0.02
90%	0.04	0.04	0.04	0.04	0.04	0.04
50%	0.01	0.01	0.01	0.01	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42

STATION 7

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	0.01	0.03	0.03	0.03	0.03	0.05	0.03	0.03	0.05	0.02	0.03	0.04	0.02	0.03	0.04
	90%	0.03	0.05	0.05	0.05	0.05	0.07	0.05	0.05	0.07	0.03	0.03	0.05	0.03	0.03	0.05
	50%	0.00	0.02	0.02	0.02	0.02	0.04	0.02	0.02	0.04	0.02	0.02	0.04	0.02	0.02	0.04
	10%	0.0	0.02	0.02	0.02	0.02	0.04	0.02	0.02	0.04	0.02	0.02	0.04	0.02	0.02	0.04
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB	MEAN	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02	0.03	0.03	0.02	0.03	0.03
	90%	0.07	0.08	0.08	0.08	0.09	0.09	0.08	0.09	0.09	0.05	0.06	0.06	0.05	0.06	0.06
	50%	0.00	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.02
	10%	0.0	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.02
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR	MEAN	8.67	8.29	8.29	8.30	8.01	7.86	8.30	8.01	7.86	6.62	6.47	6.33	6.62	6.47	6.33
	90%	22.70	22.24	22.24	22.24	21.83	21.61	22.24	21.83	21.61	18.70	16.83	16.61	18.70	16.83	16.61
	50%	5.02	4.56	4.56	4.56	4.15	3.56	4.56	4.15	3.56	3.75	3.59	3.45	3.75	3.59	3.45
	10%	0.04	0.02	0.02	0.02	0.03	0.01	0.02	0.03	0.01	0.02	0.03	0.01	0.02	0.03	0.01
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
APR	MEAN	12.12	12.04	12.04	12.06	12.01	11.95	12.06	12.01	11.95	11.20	11.10	11.02	11.20	11.10	11.02
	90%	33.37	33.38	33.38	33.38	33.38	33.39	33.38	33.38	33.39	32.11	32.12	32.13	32.11	32.12	32.13
	50%	5.02	4.87	4.87	4.84	4.85	4.77	4.94	4.85	4.77	4.33	4.33	4.29	4.33	4.33	4.29
	10%	1.36	1.34	1.34	1.37	1.33	1.34	1.37	1.33	1.34	1.56	1.77	1.78	1.56	1.77	1.78
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY	MEAN	2.59	2.35	2.35	2.35	2.29	2.10	2.35	2.29	2.10	2.29	2.35	2.16	2.29	2.35	2.16
	90%	6.36	6.11	6.11	6.11	6.05	5.86	6.11	6.05	5.86	5.98	5.59	5.39	5.98	5.59	5.39
	50%	1.86	1.61	1.61	1.61	1.56	1.36	1.61	1.56	1.36	1.49	1.54	1.34	1.49	1.54	1.34
	10%	0.82	0.57	0.57	0.57	0.51	0.35	0.57	0.51	0.35	0.37	0.34	0.20	0.37	0.34	0.20
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN	MEAN	2.14	1.81	1.81	1.81	1.74	1.53	1.81	1.74	1.53	1.41	1.34	1.18	1.41	1.34	1.18
	90%	4.77	4.41	4.41	4.41	4.33	4.05	4.41	4.33	4.05	3.40	3.30	3.02	3.40	3.30	3.02
	50%	1.02	0.73	0.73	0.73	0.65	0.36	0.73	0.65	0.36	0.50	0.42	0.14	0.50	0.42	0.14
	10%	0.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL	MEAN	0.88	0.53	0.54	0.54	0.50	0.38	0.54	0.50	0.38	0.42	0.39	0.30	0.42	0.39	0.30
	90%	2.66	1.95	1.95	1.95	1.80	1.30	1.95	1.80	1.30	1.56	1.41	0.91	1.56	1.41	0.91
	50%	0.32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG	MEAN	0.24	0.06	0.06	0.06	0.04	0.03	0.06	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03
	90%	0.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP	MEAN	0.18	0.05	0.05	0.05	0.04	0.01	0.05	0.04	0.01	0.03	0.02	0.0	0.03	0.02	0.0
	90%	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT	MEAN	0.30	0.35	0.35	0.35	0.36	0.39	0.35	0.36	0.39	0.27	0.28	0.32	0.27	0.28	0.32
	90%	0.56	0.61	0.61	0.61	0.62	0.65	0.61	0.62	0.65	0.47	0.48	0.51	0.47	0.48	0.51
	50%	0.30	0.35	0.35	0.35	0.36	0.39	0.35	0.36	0.39	0.27	0.28	0.31	0.27	0.28	0.31
	10%	0.02	0.07	0.07	0.07	0.08	0.11	0.07	0.08	0.11	0.06	0.07	0.11	0.06	0.07	0.11
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV	MEAN	0.17	0.19	0.19	0.19	0.20	0.22	0.19	0.20	0.22	0.15	0.15	0.17	0.15	0.15	0.17
	90%	0.31	0.34	0.34	0.34	0.34	0.36	0.34	0.34	0.36	0.24	0.25	0.26	0.24	0.25	0.26
	50%	0.12	0.17	0.17	0.17	0.18	0.20	0.17	0.18	0.20	0.12	0.12	0.14	0.12	0.12	0.14
	10%	0.07	0.09	0.09	0.09	0.09	0.11	0.09	0.09	0.11	0.06	0.07	0.09	0.06	0.07	0.09
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC	MEAN	0.05	0.07	0.07	0.07	0.08	0.09	0.07	0.08	0.09	0.05	0.06	0.07	0.05	0.06	0.07
	90%	0.10	0.12	0.12	0.12	0.13	0.14	0.12	0.13	0.14	0.09	0.09	0.11	0.09	0.09	0.11
	50%	0.04	0.06	0.06	0.06	0.06	0.08	0.06	0.06	0.08	0.04	0.05	0.06	0.04	0.05	0.06
	10%	0.0	0.02	0.02	0.02	0.02	0.04	0.02	0.02	0.04	0.01	0.01	0.02	0.01	0.01	0.02
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 7

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.01	0.01	0.01	0.01	0.01	0.01
90%	0.03	0.03	0.03	0.01	0.03	0.03
50%	0.00	0.00	0.00	0.00	0.00	0.00
10%	0.00	0.00	0.00	0.00	0.00	0.00
N	42	42	42	42	42	42
FEB MEAN	0.03	0.03	0.03	0.02	0.03	0.03
90%	0.07	0.07	0.07	0.04	0.07	0.07
50%	0.00	0.00	0.00	0.00	0.00	0.00
10%	0.00	0.00	0.00	0.00	0.00	0.00
N	42	42	42	42	42	42
MAR MEAN	8.47	8.47	8.47	6.74	8.47	8.27
90%	22.47	22.47	22.47	18.92	22.47	22.21
50%	4.12	4.12	4.12	3.62	4.12	4.53
10%	0.02	0.03	0.03	0.03	0.03	0.03
N	42	42	42	42	42	42
APR MEAN	12.09	12.12	12.12	11.29	12.12	12.12
90%	33.37	33.37	33.37	32.11	33.37	33.37
50%	4.22	5.03	5.03	4.28	5.03	5.63
10%	1.36	1.36	1.36	1.55	1.36	1.36
N	42	42	42	42	42	42
MAY MEAN	2.59	2.59	2.59	2.53	2.59	2.59
90%	6.36	6.36	6.36	6.24	6.36	6.36
50%	1.86	1.86	1.86	1.74	1.86	1.86
10%	0.82	0.82	0.82	0.61	0.82	0.82
N	42	42	42	42	42	42
JUN MEAN	2.14	2.14	2.14	1.74	2.14	2.14
90%	4.77	4.77	4.77	3.76	4.77	4.77
50%	1.02	1.02	1.02	0.86	1.02	1.02
10%	0.24	0.24	0.24	0.18	0.24	0.24
N	42	42	42	42	42	42
JUL MEAN	0.88	0.88	0.88	0.73	0.88	0.88
90%	2.66	2.66	2.66	2.20	2.66	2.66
50%	0.32	0.32	0.32	0.24	0.32	0.32
10%	0.04	0.04	0.04	0.03	0.04	0.04
N	42	42	42	42	42	42
AUG MEAN	0.24	0.24	0.24	0.18	0.24	0.24
90%	0.94	0.94	0.94	0.71	0.94	0.94
50%	0.04	0.04	0.04	0.03	0.04	0.04
10%	0.01	0.01	0.01	0.01	0.01	0.01
N	42	42	42	42	42	42
SEP MEAN	0.18	0.18	0.18	0.14	0.18	0.18
90%	0.56	0.56	0.56	0.42	0.56	0.56
50%	0.04	0.04	0.04	0.03	0.04	0.04
10%	0.01	0.01	0.01	0.01	0.01	0.01
N	42	42	42	42	42	42
OCT MEAN	0.30	0.30	0.30	0.23	0.30	0.30
90%	0.56	0.56	0.56	0.42	0.56	0.56
50%	0.30	0.30	0.30	0.22	0.30	0.30
10%	0.02	0.02	0.02	0.02	0.02	0.02
N	42	42	42	42	42	42
NOV MEAN	0.17	0.17	0.17	0.12	0.17	0.17
90%	0.31	0.31	0.31	0.22	0.31	0.31
50%	0.15	0.15	0.15	0.09	0.15	0.15
10%	0.07	0.07	0.07	0.04	0.07	0.07
N	42	42	42	42	42	42
DEC MEAN	0.05	0.05	0.05	0.03	0.05	0.05
90%	0.10	0.10	0.10	0.07	0.10	0.10
50%	0.04	0.04	0.04	0.02	0.04	0.04
10%	0.00	0.00	0.00	0.00	0.00	0.00
N	42	42	42	42	42	42

STATION 8

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	0.25	0.29	0.36	0.37	0.38	0.40	0.38	0.38	0.41	0.37	0.38	0.40	0.37	0.38	0.40
	90%	0.54	0.58	0.62	0.62	0.62	0.65	0.62	0.63	0.66	0.62	0.62	0.65	0.62	0.62	0.65
	50%	0.11	0.11	0.24	0.25	0.26	0.28	0.25	0.26	0.28	0.25	0.26	0.28	0.25	0.26	0.28
	10%	0.03	0.08	0.17	0.19	0.19	0.22	0.19	0.19	0.22	0.18	0.19	0.21	0.18	0.19	0.21
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB	MEAN	0.36	0.37	0.37	0.39	0.39	0.40	0.39	0.39	0.40	0.38	0.38	0.39	0.38	0.38	0.39
	90%	0.94	0.94	0.85	0.87	0.87	0.88	0.87	0.87	0.88	0.76	0.76	0.77	0.76	0.76	0.77
	50%	0.16	0.17	0.23	0.23	0.23	0.24	0.23	0.23	0.24	0.23	0.23	0.24	0.23	0.23	0.24
	10%	0.01	0.04	0.11	0.12	0.12	0.13	0.13	0.13	0.14	0.13	0.13	0.14	0.13	0.13	0.14
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR	MEAN	15.72	12.94	10.67	9.91	9.07	8.50	9.38	8.71	8.14	7.57	7.10	6.56	7.57	7.10	6.56
	90%	39.70	36.14	30.74	29.00	27.51	26.52	27.78	26.99	26.00	24.67	22.91	21.92	24.67	22.91	21.92
	50%	8.41	8.02	4.05	3.41	2.54	1.71	3.41	2.55	1.71	2.00	1.46	0.60	2.40	1.46	0.60
	10%	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
APR	MEAN	27.92	27.21	26.35	25.32	24.67	24.30	24.39	23.53	23.16	23.33	22.52	22.13	23.33	22.52	22.13
	90%	73.83	73.88	74.06	72.31	71.16	71.18	69.70	69.97	69.99	67.22	67.36	67.39	67.22	67.36	67.39
	50%	3.13	3.68	7.51	1.31	6.95	6.82	7.32	6.95	6.82	7.84	7.87	7.85	7.84	7.87	7.85
	10%	3.61	3.54	3.45	3.68	3.75	3.39	3.68	3.75	3.39	3.66	3.42	2.71	3.66	3.42	2.71
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY	MEAN	5.25	4.60	4.37	4.46	4.34	3.90	4.37	4.37	3.93	4.25	4.29	3.86	4.25	4.29	3.86
	90%	11.83	11.24	10.63	10.63	10.52	10.06	10.69	10.88	10.43	11.83	10.68	10.23	11.83	10.68	10.23
	50%	2.22	2.25	2.87	2.83	2.71	2.15	2.90	2.77	2.27	2.60	2.64	2.19	2.60	2.64	2.19
	10%	1.47	0.83	0.74	0.76	0.64	0.19	0.77	0.65	0.20	0.58	0.46	0.09	0.58	0.46	0.09
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN	MEAN	3.79	2.90	2.77	2.74	2.57	2.08	2.71	2.54	2.06	2.34	2.15	1.71	2.34	2.15	1.71
	90%	8.29	7.35	7.05	6.82	6.64	5.58	6.83	6.65	5.99	5.89	4.57	3.90	5.89	4.57	3.90
	50%	2.62	1.75	1.66	1.66	1.58	0.83	1.67	1.52	0.83	1.39	1.21	0.68	1.39	1.21	0.68
	10%	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL	MEAN	3.36	2.19	2.23	2.26	2.11	1.69	2.25	2.09	1.67	2.12	1.96	1.58	2.12	1.96	1.58
	90%	8.27	6.22	5.64	5.67	5.25	4.08	5.67	5.24	4.07	5.17	4.85	3.50	5.17	4.85	3.50
	50%	1.32	0.17	0.18	0.19	0.22	0.00	0.40	0.22	0.00	0.32	0.06	0.00	0.32	0.06	0.00
	10%	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG	MEAN	0.91	0.14	0.21	0.21	0.14	0.03	0.22	0.14	0.03	0.21	0.13	0.03	0.21	0.13	0.03
	90%	1.68	0.55	0.74	0.75	0.58	0.00	0.75	0.58	0.00	0.75	0.57	0.00	0.75	0.57	0.00
	50%	0.41	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00
	10%	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP	MEAN	0.80	0.31	0.31	0.32	0.25	0.05	0.32	0.25	0.05	0.29	0.23	0.05	0.29	0.23	0.05
	90%	1.37	0.86	0.70	0.71	0.59	0.00	0.71	0.59	0.00	0.63	0.59	0.00	0.63	0.59	0.00
	50%	0.64	0.15	0.21	0.22	0.14	0.00	0.23	0.14	0.00	0.22	0.14	0.00	0.22	0.14	0.00
	10%	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT	MEAN	1.09	1.18	1.01	1.03	1.04	1.10	1.03	1.05	1.11	0.95	0.97	1.02	0.95	0.97	1.02
	90%	2.15	2.24	1.92	1.94	1.95	2.01	1.94	1.95	2.01	1.77	1.78	1.84	1.77	1.78	1.84
	50%	0.44	0.21	0.25	0.26	0.28	0.34	0.27	0.29	0.35	0.28	0.27	0.25	0.28	0.27	0.25
	10%	0.34	0.43	0.27	0.28	0.29	0.35	0.25	0.30	0.36	0.28	0.29	0.35	0.28	0.29	0.35
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV	MEAN	1.03	1.07	1.00	1.01	1.02	1.05	1.02	1.02	1.05	0.97	0.97	1.00	0.97	0.97	1.00
	90%	1.42	1.47	1.27	1.29	1.30	1.33	1.29	1.30	1.33	1.27	1.27	1.30	1.27	1.27	1.30
	50%	0.82	0.43	0.46	0.48	0.48	0.52	0.48	0.48	0.52	0.48	0.48	0.46	0.48	0.48	0.46
	10%	0.32	0.36	0.33	0.34	0.35	0.38	0.34	0.35	0.38	0.33	0.34	0.37	0.33	0.34	0.37
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC	MEAN	0.57	0.60	0.60	0.62	0.63	0.65	0.62	0.63	0.65	0.60	0.61	0.63	0.60	0.61	0.63
	90%	1.07	1.11	1.03	1.04	1.05	1.07	1.04	1.05	1.08	1.03	1.03	1.05	1.03	1.03	1.05
	50%	0.46	0.50	0.48	0.50	0.50	0.53	0.49	0.50	0.52	0.48	0.49	0.51	0.48	0.49	0.51
	10%	0.14	0.17	0.23	0.24	0.25	0.27	0.24	0.25	0.27	0.24	0.25	0.27	0.24	0.25	0.27
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 8

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.23	0.34	0.34	0.34	0.34	0.34
90%	0.54	0.58	0.58	0.58	0.58	0.59
50%	0.13	0.22	0.22	0.22	0.22	0.22
10%	0.03	0.15	0.15	0.14	0.15	0.15
N	42	42	42	42	42	42
FEB MEAN	0.36	0.38	0.38	0.37	0.38	0.38
90%	0.94	0.86	0.86	0.75	0.86	0.86
50%	0.19	0.22	0.22	0.22	0.22	0.22
10%	0.01	0.11	0.12	0.12	0.12	0.12
N	42	42	42	42	42	42
MAR MEAN	14.57	11.56	11.04	9.12	11.04	10.73
90%	36.24	31.11	29.89	26.77	29.89	29.71
50%	6.26	5.22	5.22	3.81	5.22	5.27
10%	0.0	0.16	0.17	0.07	0.17	0.17
N	42	42	42	42	42	42
APR MEAN	27.62	25.72	24.79	23.82	24.79	24.14
90%	73.82	72.25	69.64	67.16	69.64	69.89
50%	9.07	7.74	7.75	7.98	7.75	7.86
10%	3.61	3.63	3.63	3.77	3.63	3.78
N	42	42	42	42	42	42
MAY MEAN	5.23	5.09	5.00	4.88	5.00	5.11
90%	11.87	11.27	11.33	12.46	11.33	11.64
50%	3.28	3.46	3.23	3.23	3.23	3.23
10%	1.47	1.40	1.40	1.22	1.40	1.41
N	42	42	42	42	42	42
JUN MEAN	3.79	3.62	3.60	3.22	3.60	3.58
90%	8.28	7.76	7.76	6.83	7.76	7.76
50%	2.68	2.52	2.60	2.32	2.60	2.60
10%	0.78	0.87	0.88	0.76	0.88	0.87
N	42	42	42	42	42	42
JUL MEAN	3.35	3.46	3.45	3.29	3.45	3.44
90%	8.27	8.04	8.04	7.18	8.04	8.04
50%	1.32	1.66	1.66	1.61	1.66	1.66
10%	0.38	0.59	0.58	0.56	0.58	0.58
N	42	42	42	42	42	42
AUG MEAN	0.90	1.05	1.05	0.99	1.05	1.05
90%	1.63	1.77	1.78	1.68	1.78	1.77
50%	0.80	0.90	0.90	0.88	0.90	0.90
10%	0.20	0.32	0.32	0.32	0.32	0.33
N	42	42	42	42	42	42
SEP MEAN	0.80	0.75	0.76	0.71	0.76	0.76
90%	1.37	1.19	1.19	1.13	1.19	1.19
50%	0.64	0.52	0.60	0.58	0.60	0.60
10%	0.18	0.22	0.22	0.21	0.22	0.22
N	42	42	42	42	42	42
OCT MEAN	1.09	0.94	0.94	0.86	0.94	0.94
90%	2.15	1.85	1.85	1.68	1.85	1.85
50%	0.84	0.67	0.68	0.59	0.68	0.68
10%	0.34	0.19	0.20	0.19	0.20	0.20
N	42	42	42	42	42	42
NOV MEAN	1.03	0.97	0.97	0.92	0.97	0.97
90%	1.42	1.24	1.25	1.22	1.25	1.25
50%	0.82	0.84	0.84	0.78	0.84	0.84
10%	0.32	0.30	0.30	0.29	0.30	0.30
N	42	42	42	42	42	42
DEC MEAN	0.57	0.58	0.59	0.57	0.59	0.59
90%	1.07	1.00	1.01	0.99	1.01	1.01
50%	0.46	0.46	0.46	0.45	0.46	0.46
10%	0.14	0.21	0.21	0.21	0.21	0.21
N	42	42	42	42	42	42

STATION 9

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC-10	SC-11	SC-12	SC-13	SC-14	SC-15
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	1.34	1.10	1.10	1.13	1.07	1.06	1.13	1.07	1.06	1.12	1.06	1.06	1.12	1.06	1.06
90%	3.95	3.56	3.56	3.56	3.41	3.38	3.56	3.41	3.38	3.54	3.38	3.38	3.54	3.38	3.38
50%	0.48	0.10	0.10	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
APR MEAN	3.05	2.91	2.91	3.05	3.05	3.05	3.05	3.05	3.05	2.87	2.87	2.87	2.87	2.87	2.87
90%	10.37	9.99	9.99	10.37	10.37	10.37	10.37	10.37	10.37	10.11	10.11	10.11	10.11	10.11	10.11
50%	0.69	0.52	0.52	0.69	0.69	0.69	0.69	0.69	0.69	0.53	0.53	0.53	0.53	0.53	0.53
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.13	0.13	0.13	0.13	0.13	0.13
90%	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.47	0.47	0.47	0.47	0.47	0.47
50%	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.05	0.05	0.05	0.05	0.05
10%	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19
90%	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.52	0.50	0.50	0.50	0.50	0.50	0.50
50%	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.02	0.02	0.02	0.02	0.02	0.02
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
90%	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.10	0.10
50%	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG MEAN	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
90%	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06
50%	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP MEAN	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
90%	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
50%	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT MEAN	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
90%	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.02	0.02
50%	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.01	0.02	0.02
10%	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.01
90%	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
50%	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
10%	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 9

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO	YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
FEB	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
MAR	MEAN	1.10	1.13	1.13	1.12	1.13	1.07
	90%	3.56	3.56	3.56	3.54	3.56	3.41
	50%	0.10	0.24	0.24	0.24	0.24	0.24
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
APR	MEAN	2.91	3.05	3.05	2.87	3.05	3.05
	90%	9.99	10.37	10.37	10.11	10.37	10.37
	50%	0.22	0.62	0.62	0.43	0.62	0.62
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
MAY	MEAN	0.15	0.15	0.15	0.13	0.15	0.15
	90%	0.50	0.50	0.50	0.47	0.50	0.50
	50%	0.07	0.07	0.07	0.04	0.07	0.07
	10%	0.01	0.01	0.01	0.01	0.01	0.01
	N	42	42	42	42	42	42
JUN	MEAN	0.20	0.20	0.20	0.19	0.20	0.20
	90%	0.52	0.52	0.52	0.50	0.52	0.52
	50%	0.04	0.04	0.04	0.03	0.04	0.04
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
JUL	MEAN	0.05	0.05	0.05	0.05	0.05	0.05
	90%	0.11	0.11	0.11	0.10	0.11	0.11
	50%	0.02	0.02	0.02	0.02	0.02	0.02
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
AUG	MEAN	0.03	0.03	0.03	0.03	0.03	0.03
	90%	0.07	0.07	0.07	0.06	0.07	0.07
	50%	0.01	0.01	0.01	0.01	0.01	0.01
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
SEP	MEAN	0.02	0.02	0.02	0.02	0.02	0.02
	90%	0.05	0.05	0.05	0.05	0.05	0.05
	50%	0.01	0.01	0.01	0.01	0.01	0.01
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
OCT	MEAN	0.02	0.02	0.02	0.01	0.02	0.02
	90%	0.02	0.02	0.02	0.01	0.02	0.02
	50%	0.02	0.02	0.02	0.01	0.02	0.02
	10%	0.01	0.01	0.01	0.01	0.01	0.01
	N	42	42	42	42	42	42
NOV	MEAN	0.02	0.02	0.02	0.01	0.02	0.02
	90%	0.02	0.02	0.02	0.02	0.02	0.02
	50%	0.01	0.01	0.01	0.01	0.01	0.01
	10%	0.01	0.01	0.01	0.01	0.01	0.01
	N	42	42	42	42	42	42
DEC	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

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STATION 10

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
MAR MEAN	0.24	0.24	0.24	0.22	0.24	0.24
90%	0.73	0.73	0.73	0.69	0.73	0.73
50%	0.02	0.02	0.02	0.02	0.02	0.02
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
APR MEAN	0.56	0.56	0.56	0.51	0.56	0.56
90%	1.90	1.90	1.90	1.82	1.90	1.90
50%	0.12	0.12	0.12	0.06	0.12	0.12
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
MAY MEAN	0.03	0.03	0.03	0.03	0.03	0.03
90%	0.10	0.10	0.10	0.09	0.10	0.10
50%	0.01	0.01	0.01	0.01	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
JUN MEAN	0.04	0.04	0.04	0.04	0.04	0.04
90%	0.09	0.09	0.09	0.09	0.09	0.09
50%	0.01	0.01	0.01	0.01	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
JUL MEAN	0.01	0.01	0.01	0.01	0.01	0.01
90%	0.02	0.02	0.02	0.02	0.02	0.02
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
AUG MEAN	0.01	0.01	0.01	0.01	0.01	0.01
90%	0.01	0.01	0.01	0.01	0.01	0.01
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
SEP MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.01	0.01	0.01	0.01	0.01	0.01
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
OCT MEAN	0.01	0.01	0.01	0.0	0.01	0.01
90%	0.01	0.01	0.01	0.01	0.01	0.01
50%	0.01	0.01	0.01	0.01	0.01	0.01
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42

STATION 11

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.05	0.06	0.06	0.06	0.06	0.08	0.06	0.06	0.08	0.06	0.06	0.08	0.06	0.06	0.08
90%	0.09	0.09	0.09	0.09	0.10	0.12	0.09	0.10	0.12	0.09	0.10	0.12	0.09	0.10	0.12
50%	0.05	0.06	0.06	0.06	0.06	0.08	0.06	0.06	0.08	0.06	0.06	0.08	0.06	0.06	0.08
10%	0.01	0.02	0.02	0.02	0.03	0.04	0.02	0.03	0.04	0.02	0.03	0.04	0.02	0.03	0.04
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.08	0.07	0.07	0.08	0.07	0.07	0.08
90%	0.09	0.09	0.09	0.09	0.09	0.10	0.09	0.09	0.10	0.09	0.09	0.10	0.09	0.09	0.10
50%	0.05	0.06	0.06	0.06	0.06	0.08	0.06	0.06	0.08	0.06	0.06	0.08	0.06	0.06	0.08
10%	0.01	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.03
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	10.29	9.18	9.18	9.21	8.88	8.49	9.21	8.88	8.49	9.18	8.85	8.47	9.18	8.85	8.47
90%	27.11	25.73	25.73	25.73	25.26	24.76	25.73	25.26	24.76	25.67	25.19	24.73	25.67	25.19	24.73
50%	5.07	3.69	3.69	3.69	3.53	3.56	3.85	3.53	3.56	3.81	3.49	3.53	3.81	3.49	3.53
10%	2.47	1.47	1.47	1.49	1.15	0.70	1.49	1.15	0.70	1.49	1.15	0.70	1.49	1.15	0.70
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
APR MEAN	15.07	14.83	14.83	14.97	14.94	14.88	14.97	14.94	14.88	14.75	14.72	14.66	14.75	14.72	14.66
90%	46.62	45.62	45.62	46.00	45.80	45.49	46.00	45.80	45.49	45.67	45.46	45.16	45.67	45.46	45.16
50%	5.17	5.03	5.03	5.20	5.22	5.01	5.20	5.22	5.01	4.88	4.89	4.69	4.88	4.89	4.69
10%	2.16	2.18	2.18	2.18	2.20	2.22	2.18	2.20	2.22	2.18	2.20	2.22	2.18	2.20	2.22
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	2.07	1.96	1.96	1.96	1.89	1.66	1.96	1.89	1.66	1.93	1.86	1.64	1.93	1.86	1.64
90%	6.17	6.05	6.05	6.05	5.98	5.75	6.05	5.98	5.75	6.02	5.95	5.72	6.02	5.95	5.72
50%	1.14	1.03	1.03	1.03	0.95	0.72	1.03	0.95	0.72	0.99	0.92	0.69	0.99	0.92	0.69
10%	0.42	0.30	0.30	0.30	0.23	0.0	0.30	0.23	0.0	0.30	0.23	0.0	0.30	0.23	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	1.81	1.64	1.64	1.64	1.53	1.28	1.64	1.53	1.28	1.63	1.52	1.27	1.63	1.52	1.27
90%	4.09	3.91	3.91	3.91	3.80	3.46	3.91	3.80	3.46	3.89	3.78	3.44	3.89	3.78	3.44
50%	0.73	0.53	0.53	0.56	0.45	0.13	0.56	0.45	0.13	0.54	0.43	0.11	0.54	0.43	0.11
10%	0.33	0.16	0.16	0.16	0.05	0.0	0.16	0.05	0.0	0.16	0.05	0.0	0.16	0.05	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	0.52	0.21	0.21	0.21	0.06	0.01	0.21	0.06	0.01	0.21	0.06	0.01	0.21	0.06	0.01
90%	0.65	0.34	0.34	0.34	0.17	0.04	0.34	0.17	0.04	0.33	0.17	0.04	0.33	0.17	0.04
50%	0.47	0.17	0.17	0.17	0.0	0.0	0.17	0.0	0.0	0.16	0.0	0.0	0.16	0.0	0.0
10%	0.43	0.12	0.12	0.13	0.0	0.0	0.13	0.0	0.0	0.13	0.0	0.0	0.13	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG MEAN	0.30	0.06	0.06	0.06	0.02	0.01	0.06	0.02	0.01	0.05	0.02	0.01	0.05	0.02	0.01
90%	0.38	0.13	0.13	0.13	0.08	0.04	0.13	0.08	0.04	0.13	0.08	0.04	0.13	0.08	0.04
50%	0.27	0.04	0.04	0.04	0.0	0.0	0.04	0.0	0.0	0.03	0.0	0.0	0.03	0.0	0.0
10%	0.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP MEAN	0.20	0.12	0.12	0.12	0.07	0.01	0.12	0.07	0.01	0.12	0.07	0.01	0.12	0.07	0.01
90%	0.39	0.31	0.31	0.31	0.21	0.0	0.31	0.21	0.0	0.31	0.20	0.0	0.31	0.20	0.0
50%	0.10	0.02	0.02	0.02	0.0	0.0	0.02	0.0	0.0	0.02	0.0	0.0	0.02	0.0	0.0
10%	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT MEAN	0.25	0.27	0.27	0.27	0.28	0.32	0.27	0.28	0.32	0.26	0.27	0.31	0.26	0.27	0.31
90%	0.45	0.47	0.47	0.47	0.48	0.52	0.47	0.48	0.52	0.45	0.47	0.51	0.45	0.47	0.51
50%	0.22	0.24	0.24	0.24	0.26	0.29	0.24	0.26	0.29	0.22	0.24	0.28	0.22	0.24	0.28
10%	0.08	0.10	0.10	0.10	0.11	0.15	0.10	0.11	0.15	0.09	0.10	0.14	0.09	0.10	0.14
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	0.18	0.19	0.19	0.19	0.20	0.22	0.19	0.20	0.22	0.19	0.20	0.22	0.19	0.20	0.22
90%	0.30	0.31	0.31	0.31	0.32	0.34	0.31	0.32	0.34	0.31	0.31	0.34	0.31	0.31	0.34
50%	0.15	0.16	0.16	0.16	0.17	0.19	0.16	0.17	0.19	0.16	0.17	0.19	0.16	0.17	0.19
10%	0.07	0.08	0.08	0.08	0.09	0.11	0.08	0.09	0.11	0.07	0.08	0.10	0.07	0.08	0.10
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	0.10	0.11	0.11	0.11	0.11	0.13	0.11	0.11	0.13	0.11	0.11	0.13	0.11	0.11	0.13
90%	0.16	0.17	0.17	0.17	0.18	0.19	0.17	0.18	0.19	0.17	0.18	0.19	0.17	0.18	0.19
50%	0.09	0.09	0.09	0.09	0.10	0.12	0.09	0.10	0.12	0.09	0.10	0.12	0.09	0.10	0.12
10%	0.05	0.06	0.06	0.06	0.06	0.08	0.06	0.06	0.08	0.06	0.06	0.08	0.06	0.06	0.08
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 11

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.05	0.05	0.05	0.05	0.05	0.05
90%	0.09	0.09	0.09	0.09	0.09	0.09
50%	0.02	0.02	0.02	0.02	0.02	0.02
10%	0.01	0.01	0.01	0.01	0.01	0.01
N	42	42	42	42	42	42
FEB MEAN	0.07	0.07	0.07	0.07	0.07	0.07
90%	0.05	0.05	0.05	0.05	0.05	0.05
50%	0.02	0.02	0.02	0.02	0.02	0.02
10%	0.01	0.01	0.01	0.01	0.01	0.01
N	42	42	42	42	42	42
MAR MEAN	9.91	9.93	9.93	9.90	9.93	9.88
90%	26.58	26.58	26.58	26.52	26.58	26.43
50%	4.54	4.62	4.62	4.66	4.62	4.62
10%	2.32	2.32	2.32	2.32	2.32	2.32
N	42	42	42	42	42	42
APR MEAN	14.93	15.07	15.07	14.85	15.07	15.07
90%	46.19	46.61	46.62	46.29	46.62	46.62
50%	5.01	5.18	5.18	4.86	5.18	5.18
10%	2.16	2.16	2.16	2.16	2.16	2.16
N	42	42	42	42	42	42
MAY MEAN	2.07	2.08	2.08	2.05	2.08	2.08
90%	6.17	6.17	6.17	6.13	6.17	6.17
50%	1.14	1.14	1.14	1.11	1.14	1.14
10%	0.41	0.42	0.42	0.41	0.42	0.42
N	42	42	42	42	42	42
JUN MEAN	1.81	1.81	1.81	1.80	1.81	1.81
90%	4.09	4.09	4.09	4.07	4.09	4.09
50%	0.70	0.73	0.73	0.72	0.73	0.73
10%	0.33	0.33	0.33	0.33	0.33	0.33
N	42	42	42	42	42	42
JUL MEAN	0.52	0.52	0.52	0.52	0.52	0.52
90%	0.65	0.65	0.65	0.64	0.65	0.65
50%	0.47	0.47	0.47	0.46	0.47	0.47
10%	0.43	0.43	0.43	0.43	0.43	0.43
N	42	42	42	42	42	42
AUG MEAN	0.30	0.30	0.30	0.29	0.30	0.30
90%	0.38	0.38	0.38	0.37	0.38	0.38
50%	0.27	0.27	0.27	0.27	0.27	0.27
10%	0.23	0.23	0.23	0.23	0.23	0.23
N	42	42	42	42	42	42
SEP MEAN	0.20	0.20	0.20	0.20	0.20	0.20
90%	0.39	0.39	0.39	0.39	0.39	0.39
50%	0.10	0.10	0.10	0.10	0.10	0.10
10%	0.08	0.08	0.08	0.08	0.08	0.08
N	42	42	42	42	42	42
OCT MEAN	0.25	0.25	0.25	0.24	0.25	0.25
90%	0.45	0.45	0.45	0.43	0.45	0.45
50%	0.22	0.22	0.22	0.21	0.22	0.22
10%	0.08	0.08	0.08	0.07	0.08	0.08
N	42	42	42	42	42	42
NOV MEAN	0.18	0.18	0.18	0.18	0.18	0.18
90%	0.30	0.30	0.30	0.30	0.30	0.30
50%	0.15	0.15	0.15	0.15	0.15	0.15
10%	0.07	0.07	0.07	0.06	0.07	0.07
N	42	42	42	42	42	42
DEC MEAN	0.10	0.10	0.10	0.10	0.10	0.10
90%	0.16	0.16	0.16	0.16	0.16	0.16
50%	0.02	0.02	0.02	0.02	0.02	0.02
10%	0.05	0.05	0.05	0.05	0.05	0.05
N	42	42	42	42	42	42

STATION 12

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	0.42	0.47	0.54	0.55	0.0	0.0	0.55	0.0	0.0	0.55	0.0	0.0	0.55	0.0	0.0
	90%	1.00	1.05	1.12	1.12	0.0	0.0	1.12	0.0	0.0	1.12	0.0	0.0	1.12	0.0	0.0
	50%	0.42	0.48	0.56	0.57	0.0	0.0	0.57	0.0	0.0	0.57	0.0	0.0	0.57	0.0	0.0
	10%	0.07	0.14	0.23	0.24	0.0	0.0	0.25	0.0	0.0	0.24	0.0	0.0	0.24	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB	MEAN	0.74	0.76	0.76	0.77	0.0	0.0	0.77	0.0	0.0	0.76	0.0	0.0	0.76	0.0	0.0
	90%	1.84	1.84	1.80	1.81	0.0	0.0	1.82	0.0	0.0	1.66	0.0	0.0	1.66	0.0	0.0
	50%	0.42	0.48	0.51	0.52	0.0	0.0	0.52	0.0	0.0	0.52	0.0	0.0	0.52	0.0	0.0
	10%	0.05	0.08	0.15	0.16	0.0	0.0	0.17	0.0	0.0	0.17	0.0	0.0	0.17	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR	MEAN	30.90	25.95	23.68	22.95	9.19	4.93	22.42	8.89	4.64	20.58	7.89	4.05	20.58	7.89	4.05
	90%	77.48	71.27	64.74	63.00	25.89	0.0	61.78	25.40	0.0	58.62	20.74	0.0	58.62	20.74	0.0
	50%	16.42	10.44	10.04	10.09	0.0	0.0	10.09	0.0	0.0	9.35	0.0	0.0	9.35	0.0	0.0
	10%	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
APR	MEAN	53.61	52.69	51.83	50.95	36.32	26.58	50.01	35.20	25.52	48.73	33.86	24.72	48.73	33.86	24.72
	90%	142.62	142.61	142.79	141.15	137.32	102.03	138.54	134.21	98.93	135.57	130.26	94.98	135.57	130.26	94.98
	50%	17.13	17.02	15.33	15.67	5.90	0.0	15.69	5.79	0.0	14.37	3.27	0.0	14.37	3.27	0.0
	10%	7.18	6.88	6.78	7.03	0.0	0.0	7.04	0.0	0.0	7.13	0.0	0.0	7.13	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY	MEAN	10.05	9.25	9.01	9.11	6.48	4.66	9.03	6.45	4.58	8.87	6.43	4.27	8.87	6.43	4.27
	90%	23.00	22.20	21.60	21.60	21.41	19.01	21.60	21.40	19.51	22.76	22.28	18.99	22.76	22.28	18.99
	50%	6.46	6.06	5.95	5.97	2.63	0.0	6.16	2.64	0.0	5.75	2.39	0.0	5.75	2.39	0.0
	10%	2.80	2.01	1.93	1.95	0.0	0.0	1.95	0.0	0.0	1.79	0.0	0.0	1.79	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN	MEAN	7.35	6.22	6.08	6.05	4.38	2.23	6.02	4.33	2.21	5.64	3.71	2.07	5.64	3.71	2.07
	90%	16.04	14.87	14.59	14.32	11.75	8.95	14.32	11.76	8.48	11.56	10.65	8.05	11.56	10.65	8.05
	50%	2.39	2.20	2.01	2.03	2.22	0.0	2.04	2.01	0.0	3.66	1.61	0.0	3.66	1.61	0.0
	10%	1.57	0.55	0.55	0.55	0.0	0.0	0.55	0.0	0.0	0.54	0.0	0.0	0.54	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL	MEAN	6.94	5.35	5.40	5.43	3.77	1.88	5.42	3.75	1.87	5.28	3.59	1.71	5.28	3.59	1.71
	90%	16.67	14.57	14.38	14.33	11.02	4.20	14.34	11.03	3.99	13.18	10.69	3.70	13.18	10.69	3.70
	50%	2.22	1.41	1.52	1.54	0.69	0.0	1.54	0.69	0.0	1.53	0.34	0.0	1.53	0.34	0.0
	10%	0.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG	MEAN	1.80	0.72	0.79	0.79	0.55	0.23	0.79	0.55	0.23	0.78	0.53	0.21	0.78	0.53	0.21
	90%	3.37	1.61	1.76	1.79	1.39	0.76	1.79	1.39	0.76	1.77	1.37	0.73	1.77	1.37	0.73
	50%	1.61	1.44	1.51	1.52	0.15	0.0	1.52	0.15	0.0	1.51	0.15	0.0	1.51	0.15	0.0
	10%	0.45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP	MEAN	1.59	0.98	0.97	0.99	0.69	0.28	0.99	0.69	0.28	0.96	0.64	0.26	0.96	0.64	0.26
	90%	2.74	2.04	1.88	1.89	1.42	0.77	1.89	1.42	0.77	1.80	1.42	0.64	1.80	1.42	0.64
	50%	1.22	0.59	0.73	0.74	0.52	0.0	0.74	0.52	0.0	0.74	0.50	0.0	0.74	0.50	0.0
	10%	0.36	0.02	0.02	0.02	0.0	0.0	0.02	0.0	0.0	0.02	0.0	0.0	0.02	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT	MEAN	1.83	1.95	1.78	1.80	0.0	0.0	1.80	0.0	0.0	1.71	0.0	0.0	1.71	0.0	0.0
	90%	2.94	3.06	2.80	2.82	0.0	0.0	2.82	0.0	0.0	2.66	0.0	0.0	2.66	0.0	0.0
	50%	1.63	1.51	1.56	1.57	0.0	0.0	1.58	0.0	0.0	1.48	0.0	0.0	1.48	0.0	0.0
	10%	0.59	0.71	0.56	0.57	0.0	0.0	0.58	0.0	0.0	0.55	0.0	0.0	0.55	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV	MEAN	1.74	1.79	1.72	1.73	0.0	0.0	1.74	0.0	0.0	1.68	0.0	0.0	1.68	0.0	0.0
	90%	2.71	2.77	2.61	2.62	0.0	0.0	2.64	0.0	0.0	2.49	0.0	0.0	2.49	0.0	0.0
	50%	1.68	1.54	1.69	1.71	0.0	0.0	1.72	0.0	0.0	1.65	0.0	0.0	1.65	0.0	0.0
	10%	0.64	0.69	0.65	0.66	0.0	0.0	0.67	0.0	0.0	0.64	0.0	0.0	0.64	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC	MEAN	0.97	1.04	1.04	1.05	0.0	0.0	1.06	0.0	0.0	1.04	0.0	0.0	1.04	0.0	0.0
	90%	1.97	2.01	1.88	1.90	0.0	0.0	1.90	0.0	0.0	1.90	0.0	0.0	1.90	0.0	0.0
	50%	0.97	0.92	0.92	0.96	0.0	0.0	0.96	0.0	0.0	0.94	0.0	0.0	0.94	0.0	0.0
	10%	0.28	0.33	0.39	0.41	0.0	0.0	0.41	0.0	0.0	0.41	0.0	0.0	0.41	0.0	0.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 12

SCENARIO SUMMARY LISTING FOR FLOW IN UNITS OF CUBIC HECTOMETERS PER MONTH

MO	YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
FEB	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
MAR	MEAN	6.51	5.54	5.08	4.50	5.08	4.58
	90%	5.89	0.23	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
APR	MEAN	29.52	28.07	27.18	26.16	27.18	26.52
	90%	116.40	108.31	105.22	99.48	105.22	103.52
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
MAY	MEAN	5.82	5.46	5.33	5.09	5.33	5.41
	90%	21.21	20.54	20.99	20.59	20.99	21.14
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
JUN	MEAN	3.83	3.16	3.16	2.92	3.16	3.14
	90%	12.74	11.36	10.88	11.05	10.88	10.88
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
JUL	MEAN	3.92	3.61	3.60	3.13	3.60	3.57
	90%	12.16	9.44	9.45	6.99	9.45	9.45
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
AUG	MEAN	1.12	1.18	1.15	1.00	1.15	1.15
	90%	2.78	2.83	2.83	2.76	2.83	2.83
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
SEP	MEAN	0.95	0.93	0.90	0.85	0.90	0.90
	90%	2.09	2.06	2.06	2.01	2.06	2.06
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
OCT	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
NOV	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	42	42	42	42	42	42
DEC	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0

ATTACHMENT 2

Predicted TDS Concentrations in the Poplar River Basin

a. For the various development scenarios examined

STATION 1

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	1420.	1450.	820.	990.	1030.	1030.	1110.	1190.	1190.	1120.	1180.	1180.	1120.	1180.	1180.
90%	1720.	1780.	1090.	1270.	1320.	1320.	1460.	1670.	1670.	1420.	1650.	1650.	1420.	1650.	1650.
50%	1440.	1470.	800.	980.	1010.	1010.	1060.	1080.	1080.	1100.	1100.	1100.	1100.	1100.	1100.
10%	1150.	1160.	580.	720.	740.	740.	810.	810.	810.	820.	820.	820.	820.	820.	820.
N	28	28	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	1210.	1230.	830.	990.	1020.	1020.	1100.	1180.	1180.	1120.	1170.	1170.	1120.	1170.	1170.
90%	1580.	1620.	1080.	1230.	1270.	1270.	1460.	1680.	1680.	1430.	1640.	1640.	1430.	1640.	1640.
50%	1270.	1290.	830.	970.	1000.	1000.	1060.	1070.	1070.	1070.	1090.	1090.	1070.	1090.	1090.
10%	730.	730.	600.	740.	750.	750.	820.	830.	830.	830.	840.	840.	830.	840.	840.
N	28	28	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	440.	360.	830.	930.	950.	950.	990.	1020.	1020.	1000.	1030.	1030.	1000.	1030.	1030.
90%	950.	680.	990.	1090.	1110.	1110.	1160.	1190.	1190.	1180.	1210.	1210.	1180.	1210.	1210.
50%	290.	250.	860.	930.	940.	940.	980.	990.	990.	980.	990.	990.	980.	990.	990.
10%	160.	150.	620.	770.	770.	770.	830.	850.	850.	840.	850.	850.	840.	850.	850.
N	42	27	42	42	42	42	42	42	42	42	42	42	42	42	42
APR MEAN	350.	470.	750.	850.	870.	870.	890.	930.	930.	910.	930.	930.	910.	930.	930.
90%	590.	610.	980.	1040.	1070.	1070.	1100.	1150.	1150.	1060.	1100.	1100.	1060.	1100.	1100.
50%	330.	340.	800.	880.	890.	890.	930.	940.	940.	960.	970.	970.	960.	970.	970.
10%	130.	130.	500.	590.	610.	610.	640.	650.	650.	660.	670.	670.	660.	670.	670.
N	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	530.	550.	810.	890.	910.	910.	950.	970.	970.	960.	980.	980.	960.	980.	980.
90%	670.	690.	1000.	1090.	1110.	1110.	1170.	1230.	1230.	1140.	1230.	1230.	1140.	1230.	1230.
50%	550.	560.	830.	920.	930.	930.	960.	940.	940.	970.	980.	980.	970.	980.	980.
10%	330.	330.	570.	660.	680.	680.	750.	690.	690.	770.	780.	780.	770.	780.	780.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	610.	620.	820.	920.	940.	940.	1020.	1030.	1030.	1010.	1060.	1060.	1010.	1060.	1060.
90%	720.	730.	1000.	1100.	1130.	1130.	1370.	1470.	1470.	1360.	1310.	1310.	1360.	1310.	1310.
50%	630.	640.	810.	910.	930.	930.	1000.	960.	960.	970.	1000.	1000.	970.	1000.	1000.
10%	430.	430.	640.	770.	770.	770.	800.	790.	790.	790.	810.	810.	790.	810.	810.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	700.	720.	810.	940.	960.	960.	1000.	1070.	1070.	1010.	1050.	1050.	1010.	1050.	1050.
90%	890.	920.	1020.	1210.	1260.	1260.	1280.	1360.	1360.	1210.	1330.	1330.	1210.	1330.	1330.
50%	670.	680.	790.	920.	940.	940.	1000.	1020.	1020.	1010.	1010.	1010.	1010.	1010.	1010.
10%	540.	550.	640.	720.	730.	730.	770.	790.	790.	790.	780.	780.	790.	780.	780.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG MEAN	600.	820.	820.	970.	1000.	1000.	1040.	1090.	1090.	1050.	1110.	1110.	1050.	1110.	1110.
90%	1040.	1080.	1050.	1290.	1360.	1360.	1290.	1380.	1380.	1290.	1570.	1570.	1290.	1570.	1570.
50%	750.	770.	800.	950.	970.	970.	1030.	1040.	1040.	1040.	1080.	1080.	1040.	1080.	1080.
10%	650.	660.	660.	760.	770.	770.	790.	790.	790.	800.	810.	810.	800.	810.	810.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP MEAN	750.	770.	860.	990.	1020.	1020.	1050.	1110.	1110.	1070.	1100.	1100.	1070.	1100.	1100.
90%	980.	1000.	1050.	1280.	1340.	1340.	1300.	1380.	1380.	1290.	1380.	1380.	1290.	1380.	1380.
50%	710.	720.	840.	960.	980.	980.	1040.	1060.	1060.	1060.	1070.	1070.	1060.	1070.	1070.
10%	610.	620.	710.	790.	800.	800.	840.	840.	840.	840.	850.	850.	840.	850.	850.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT MEAN	730.	740.	900.	1030.	1050.	1050.	1060.	1110.	1110.	1080.	1110.	1110.	1080.	1110.	1110.
90%	960.	970.	1050.	1260.	1300.	1300.	1290.	1380.	1380.	1340.	1370.	1370.	1340.	1370.	1370.
50%	700.	700.	880.	990.	1000.	1000.	1050.	1060.	1060.	1060.	1090.	1090.	1060.	1090.	1090.
10%	580.	590.	800.	860.	870.	870.	890.	890.	890.	910.	890.	890.	910.	890.	890.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	840.	840.	890.	1020.	1040.	1040.	1070.	1110.	1110.	1080.	1110.	1110.	1080.	1110.	1110.
90%	930.	940.	1060.	1280.	1340.	1340.	1350.	1470.	1470.	1370.	1410.	1410.	1370.	1410.	1410.
50%	830.	830.	880.	990.	1010.	1010.	1050.	1050.	1050.	1070.	1070.	1070.	1070.	1070.	1070.
10%	710.	710.	780.	850.	860.	860.	890.	880.	880.	890.	880.	880.	890.	880.	880.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	1070.	1080.	870.	1000.	1020.	1020.	1090.	1150.	1150.	1100.	1140.	1140.	1100.	1140.	1140.
90%	1340.	1370.	1080.	1260.	1300.	1300.	1410.	1550.	1550.	1500.	1500.	1500.	1500.	1500.	1500.
50%	1060.	1070.	850.	970.	1000.	1000.	1060.	1070.	1070.	1070.	1100.	1100.	1070.	1100.	1100.
10%	850.	850.	730.	800.	810.	810.	870.	850.	850.	870.	860.	860.	870.	860.	860.
N	41	41	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 1 SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	1450.	990.	1110.	1120.	1110.	1190.
90%	1780.	1270.	1460.	1420.	1460.	1670.
50%	1470.	980.	1060.	1100.	1060.	1080.
10%	1160.	720.	810.	820.	810.	810.
N	28	42	42	42	42	42
FEB MEAN	1230.	990.	1100.	1120.	1100.	1180.
90%	1620.	1230.	1460.	1430.	1460.	1680.
50%	1290.	970.	1060.	1070.	1060.	1070.
10%	730.	740.	820.	830.	820.	830.
N	28	42	42	42	42	42
MAR MEAN	430.	930.	990.	1000.	990.	1020.
90%	1270.	1090.	1160.	1180.	1160.	1190.
50%	250.	940.	980.	980.	980.	990.
10%	150.	770.	830.	840.	830.	850.
N	29	42	42	42	42	42
APR MEAN	470.	850.	890.	910.	890.	930.
90%	610.	1040.	1100.	1060.	1100.	1150.
50%	340.	880.	930.	960.	930.	940.
10%	130.	590.	640.	660.	640.	650.
N	41	42	42	42	42	42
MAY MEAN	550.	890.	950.	960.	950.	970.
90%	690.	1090.	1170.	1140.	1170.	1230.
50%	560.	920.	960.	970.	960.	940.
10%	330.	660.	750.	770.	750.	690.
N	42	42	42	42	42	42
JUN MEAN	620.	920.	1020.	1010.	1020.	1030.
90%	730.	1100.	1370.	1360.	1370.	1470.
50%	640.	910.	1000.	970.	1000.	960.
10%	430.	770.	800.	790.	800.	790.
N	42	42	42	42	42	42
JUL MEAN	720.	940.	1000.	1010.	1000.	1070.
90%	920.	1210.	1280.	1210.	1280.	1360.
50%	680.	920.	1000.	1010.	1000.	1020.
10%	550.	720.	770.	790.	770.	790.
N	42	42	42	42	42	42
AUG MEAN	820.	970.	1040.	1050.	1040.	1090.
90%	1080.	1290.	1290.	1290.	1290.	1380.
50%	770.	950.	1030.	1040.	1030.	1040.
10%	660.	760.	790.	800.	790.	790.
N	42	42	42	42	42	42
SEP MEAN	770.	990.	1050.	1070.	1050.	1110.
90%	1000.	1280.	1300.	1290.	1300.	1380.
50%	720.	960.	1040.	1060.	1040.	1060.
10%	620.	790.	840.	840.	840.	840.
N	42	42	42	42	42	42
OCT MEAN	740.	1030.	1060.	1080.	1060.	1110.
90%	970.	1260.	1290.	1340.	1290.	1380.
50%	700.	990.	1050.	1060.	1050.	1060.
10%	590.	860.	890.	910.	890.	890.
N	42	42	42	42	42	42
NOV MEAN	840.	1020.	1070.	1080.	1070.	1110.
90%	940.	1280.	1350.	1370.	1350.	1470.
50%	830.	990.	1050.	1070.	1050.	1050.
10%	710.	850.	890.	890.	890.	880.
N	42	42	42	42	42	42
DEC MEAN	1080.	1000.	1090.	1100.	1090.	1150.
90%	1370.	1260.	1410.	1500.	1410.	1550.
50%	1070.	970.	1060.	1070.	1060.	1070.
10%	850.	800.	870.	870.	870.	850.
N	41	42	42	42	42	42

STATION 1

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	1420.	1450.	820.	990.	1030.	1030.	1110.	1190.	1190.	1120.	1180.	1180.	1120.	1180.	1180.
90%	1720.	1780.	1090.	1270.	1320.	1320.	1460.	1670.	1670.	1420.	1650.	1650.	1420.	1650.	1650.
50%	1440.	1470.	800.	980.	1010.	1010.	1060.	1080.	1080.	1100.	1100.	1100.	1100.	1100.	1100.
10%	1150.	1160.	580.	720.	740.	740.	810.	810.	810.	820.	820.	820.	820.	820.	820.
N	28	28	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	1210.	1230.	830.	990.	1020.	1020.	1100.	1180.	1180.	1120.	1170.	1170.	1120.	1170.	1170.
90%	1580.	1620.	1080.	1230.	1270.	1270.	1460.	1680.	1680.	1430.	1640.	1640.	1430.	1640.	1640.
50%	1270.	1290.	830.	970.	1000.	1000.	1060.	1070.	1070.	1070.	1090.	1090.	1070.	1090.	1090.
10%	730.	730.	600.	740.	750.	750.	820.	830.	830.	830.	840.	840.	830.	840.	840.
N	28	28	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	440.	360.	830.	930.	950.	950.	990.	1020.	1020.	1000.	1030.	1030.	1000.	1030.	1030.
90%	950.	680.	990.	1090.	1110.	1110.	1160.	1190.	1190.	1180.	1210.	1210.	1180.	1210.	1210.
50%	290.	220.	860.	930.	940.	940.	980.	990.	990.	980.	990.	990.	980.	990.	990.
10%	160.	150.	620.	770.	770.	770.	830.	850.	850.	840.	850.	850.	840.	850.	850.
N	42	27	42	42	42	42	42	42	42	42	42	42	42	42	42
APR MEAN	350.	470.	750.	850.	870.	870.	890.	930.	930.	910.	930.	930.	910.	930.	930.
90%	590.	610.	980.	1040.	1070.	1070.	1100.	1150.	1150.	1060.	1100.	1100.	1060.	1100.	1100.
50%	330.	340.	800.	880.	890.	890.	930.	940.	940.	960.	970.	970.	960.	970.	970.
10%	130.	130.	500.	590.	610.	610.	640.	650.	650.	660.	670.	670.	660.	670.	670.
N	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	530.	550.	810.	890.	910.	910.	950.	970.	970.	960.	980.	980.	960.	980.	980.
90%	670.	690.	1000.	1090.	1110.	1110.	1170.	1230.	1230.	1140.	1230.	1230.	1140.	1230.	1230.
50%	550.	560.	830.	920.	930.	930.	960.	940.	940.	970.	980.	980.	970.	980.	980.
10%	330.	330.	570.	660.	680.	680.	750.	690.	690.	770.	780.	780.	770.	780.	780.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	610.	620.	820.	920.	940.	940.	1020.	1030.	1030.	1010.	1060.	1060.	1010.	1060.	1060.
90%	720.	730.	1000.	1100.	1130.	1130.	1370.	1470.	1470.	1360.	1310.	1310.	1360.	1310.	1310.
50%	630.	640.	810.	910.	920.	920.	1000.	960.	960.	970.	1000.	1000.	970.	1000.	1000.
10%	430.	430.	640.	770.	770.	770.	800.	790.	790.	810.	810.	810.	790.	810.	810.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	700.	720.	810.	940.	960.	960.	1000.	1070.	1070.	1010.	1050.	1050.	1010.	1050.	1050.
90%	890.	920.	1020.	1210.	1260.	1260.	1280.	1360.	1360.	1210.	1330.	1330.	1210.	1330.	1330.
50%	670.	680.	790.	920.	940.	940.	1000.	1020.	1020.	1010.	1010.	1010.	1010.	1010.	1010.
10%	540.	550.	640.	720.	730.	730.	770.	790.	790.	790.	780.	780.	790.	780.	780.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG MEAN	600.	820.	820.	970.	1000.	1000.	1040.	1090.	1090.	1050.	1110.	1110.	1050.	1110.	1110.
90%	1040.	1080.	1050.	1290.	1360.	1360.	1290.	1380.	1380.	1290.	1570.	1570.	1290.	1570.	1570.
50%	750.	770.	800.	950.	970.	970.	1030.	1040.	1040.	1040.	1080.	1080.	1040.	1080.	1080.
10%	650.	660.	660.	760.	770.	770.	790.	790.	790.	800.	810.	810.	800.	810.	810.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP MEAN	750.	770.	860.	990.	1020.	1020.	1050.	1110.	1110.	1070.	1100.	1100.	1070.	1100.	1100.
90%	980.	1000.	1050.	1280.	1340.	1340.	1300.	1380.	1380.	1290.	1380.	1380.	1290.	1380.	1380.
50%	710.	720.	840.	960.	980.	980.	1040.	1060.	1060.	1060.	1070.	1070.	1060.	1070.	1070.
10%	610.	620.	710.	790.	800.	800.	840.	840.	840.	840.	850.	850.	840.	850.	850.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT MEAN	730.	740.	900.	1030.	1050.	1050.	1060.	1110.	1110.	1080.	1110.	1110.	1080.	1110.	1110.
90%	960.	970.	1050.	1260.	1300.	1300.	1290.	1380.	1380.	1340.	1370.	1370.	1340.	1370.	1370.
50%	700.	700.	880.	990.	1000.	1000.	1050.	1060.	1060.	1060.	1090.	1090.	1060.	1090.	1090.
10%	580.	590.	800.	860.	870.	870.	890.	890.	890.	910.	890.	890.	910.	890.	890.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	840.	840.	890.	1020.	1040.	1040.	1070.	1110.	1110.	1080.	1110.	1110.	1080.	1110.	1110.
90%	930.	940.	1060.	1280.	1340.	1340.	1350.	1470.	1470.	1370.	1410.	1410.	1370.	1410.	1410.
50%	830.	830.	880.	990.	1010.	1010.	1050.	1050.	1050.	1070.	1070.	1070.	1070.	1070.	1070.
10%	710.	710.	780.	850.	860.	860.	890.	880.	880.	890.	880.	880.	890.	880.	880.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	1070.	1080.	870.	1000.	1020.	1020.	1090.	1150.	1150.	1100.	1140.	1140.	1100.	1140.	1140.
90%	1340.	1370.	1080.	1260.	1300.	1300.	1410.	1550.	1550.	1500.	1500.	1500.	1500.	1500.	1500.
50%	1060.	1070.	850.	970.	1000.	1000.	1060.	1070.	1070.	1070.	1100.	1100.	1070.	1100.	1100.
10%	850.	850.	730.	800.	810.	810.	870.	850.	850.	870.	860.	860.	870.	860.	860.
N	41	41	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 1

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	1450.	990.	1110.	1120.	1110.	1190.
90%	1780.	1270.	1460.	1420.	1460.	1670.
50%	1470.	980.	1060.	1100.	1060.	1080.
10%	1160.	720.	810.	820.	810.	810.
N	28	42	42	42	42	42
FEB MEAN	1230.	990.	1100.	1120.	1100.	1180.
90%	1620.	1230.	1460.	1430.	1460.	1680.
50%	1290.	970.	1060.	1070.	1060.	1070.
10%	730.	740.	820.	830.	820.	830.
N	28	42	42	42	42	42
MAR MEAN	430.	930.	990.	1000.	990.	1020.
90%	1270.	1090.	1160.	1180.	1160.	1190.
50%	250.	930.	980.	980.	980.	990.
10%	150.	770.	830.	840.	830.	850.
N	29	42	42	42	42	42
APR MEAN	470.	850.	890.	910.	890.	930.
90%	610.	1040.	1100.	1060.	1100.	1150.
50%	340.	880.	930.	960.	930.	940.
10%	130.	590.	640.	660.	640.	650.
N	41	42	42	42	42	42
MAY MEAN	550.	890.	950.	960.	950.	970.
90%	690.	1090.	1170.	1140.	1170.	1230.
50%	560.	920.	960.	970.	960.	940.
10%	330.	660.	750.	770.	750.	690.
N	42	42	42	42	42	42
JUN MEAN	620.	920.	1020.	1010.	1020.	1030.
90%	730.	1100.	1370.	1360.	1370.	1470.
50%	640.	910.	1000.	970.	1000.	960.
10%	430.	770.	800.	790.	800.	790.
N	42	42	42	42	42	42
JUL MEAN	720.	940.	1000.	1010.	1000.	1070.
90%	920.	1210.	1280.	1210.	1280.	1360.
50%	680.	920.	1000.	1010.	1000.	1020.
10%	550.	720.	770.	790.	770.	790.
N	42	42	42	42	42	42
AUG MEAN	820.	970.	1040.	1050.	1040.	1090.
90%	1080.	1290.	1290.	1290.	1290.	1380.
50%	770.	950.	1030.	1040.	1030.	1040.
10%	660.	760.	790.	800.	790.	790.
N	42	42	42	42	42	42
SEP MEAN	770.	990.	1050.	1070.	1050.	1110.
90%	1000.	1280.	1300.	1290.	1300.	1380.
50%	720.	960.	1040.	1060.	1040.	1060.
10%	620.	790.	840.	840.	840.	840.
N	42	42	42	42	42	42
OCT MEAN	740.	1030.	1060.	1080.	1060.	1110.
90%	970.	1260.	1290.	1340.	1290.	1380.
50%	700.	990.	1050.	1060.	1050.	1060.
10%	590.	860.	890.	910.	890.	890.
N	42	42	42	42	42	42
NOV MEAN	840.	1020.	1070.	1080.	1070.	1110.
90%	940.	1280.	1350.	1370.	1350.	1470.
50%	830.	990.	1050.	1070.	1050.	1050.
10%	710.	850.	890.	890.	890.	880.
N	42	42	42	42	42	42
DEC MEAN	1080.	1000.	1090.	1100.	1090.	1150.
90%	1370.	1260.	1410.	1500.	1410.	1550.
50%	1070.	970.	1060.	1070.	1060.	1070.
10%	850.	800.	870.	870.	870.	850.
N	41	42	42	42	42	42

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	1270.	1260.	830.	1000.	1030.	1040.	1100.	1180.	1180.	1120.	1180.	1180.	1120.	1180.	1180.
90%	1440.	1450.	1110.	1270.	1300.	1300.	1460.	1660.	1650.	1410.	1640.	1630.	1410.	1640.	1630.
50%	1270.	1250.	800.	980.	1010.	1020.	1070.	1080.	1090.	1100.	1100.	1110.	1100.	1100.	1110.
10%	1060.	1020.	590.	730.	760.	770.	810.	820.	840.	830.	830.	840.	830.	830.	840.
N	16	14	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	1130.	1130.	840.	990.	1020.	1010.	1090.	1160.	1160.	1100.	1150.	1160.	1100.	1150.	1160.
90%	1510.	1470.	1060.	1230.	1270.	1240.	1460.	1680.	1670.	1430.	1640.	1630.	1430.	1640.	1630.
50%	1170.	1170.	850.	980.	1010.	1010.	1030.	1070.	1070.	1050.	1080.	1080.	1050.	1080.	1080.
10%	680.	670.	610.	740.	750.	760.	820.	840.	850.	830.	840.	850.	830.	840.	850.
N	23	22	41	42	42	41	42	42	42	42	42	42	42	42	42
MAR MEAN	560.	540.	690.	680.	680.	660.	680.	680.	670.	720.	730.	700.	710.	710.	690.
90%	1010.	1070.	970.	990.	1030.	820.	1020.	1050.	820.	1040.	1050.	890.	1040.	1050.	860.
50%	530.	510.	660.	630.	630.	630.	650.	650.	650.	660.	660.	660.	650.	650.	650.
10%	290.	300.	570.	550.	550.	550.	530.	520.	510.	530.	530.	520.	530.	520.	520.
N	42	30	30	30	29	28	30	29	28	29	29	27	29	29	27
APR MEAN	490.	510.	720.	760.	770.	770.	770.	780.	780.	790.	800.	800.	780.	790.	790.
90%	710.	770.	930.	970.	990.	990.	980.	1020.	1020.	990.	1000.	1010.	980.	1000.	1010.
50%	500.	520.	710.	780.	790.	770.	800.	820.	820.	800.	790.	790.	780.	770.	780.
10%	270.	270.	500.	550.	550.	550.	560.	530.	530.	560.	550.	550.	550.	550.	550.
N	42	40	42	42	42	41	42	42	41	42	41	41	42	41	41
MAY MEAN	640.	650.	830.	880.	890.	890.	910.	930.	920.	930.	930.	940.	930.	930.	930.
90%	760.	790.	980.	1060.	1080.	1070.	1090.	1120.	1110.	1090.	1120.	1120.	1090.	1120.	1120.
50%	660.	680.	840.	900.	910.	910.	930.	940.	940.	940.	940.	940.	940.	930.	940.
10%	470.	470.	610.	670.	680.	680.	710.	680.	680.	720.	710.	710.	720.	710.	710.
N	42	41	42	42	42	41	42	42	41	42	41	41	42	41	41
JUN MEAN	700.	710.	850.	920.	930.	930.	980.	990.	980.	980.	1010.	1010.	970.	1010.	1000.
90%	790.	820.	1010.	1100.	1120.	1090.	1190.	1240.	1220.	1140.	1210.	1210.	1130.	1210.	1210.
50%	730.	750.	850.	900.	910.	920.	960.	940.	930.	950.	970.	970.	950.	970.	970.
10%	550.	560.	720.	750.	760.	760.	780.	790.	800.	780.	800.	800.	780.	800.	800.
N	42	41	42	41	41	40	41	41	40	41	41	40	41	41	40
JUL MEAN	780.	780.	840.	940.	960.	960.	970.	1020.	1020.	990.	1020.	1010.	990.	1010.	1010.
90%	940.	860.	1010.	1100.	1130.	1130.	1200.	1260.	1260.	1190.	1260.	1260.	1190.	1260.	1260.
50%	740.	750.	820.	930.	950.	950.	980.	980.	980.	950.	990.	990.	950.	990.	990.
10%	640.	660.	720.	760.	770.	770.	810.	820.	830.	820.	820.	840.	820.	820.	840.
N	42	40	42	42	42	41	42	42	41	42	42	41	42	42	41
AUG MEAN	860.	860.	880.	990.	1020.	1020.	1050.	1090.	1080.	1050.	1110.	1100.	1050.	1110.	1100.
90%	1050.	1010.	1080.	1270.	1330.	1240.	1290.	1350.	1310.	1290.	1480.	1330.	1290.	1480.	1330.
50%	820.	850.	870.	970.	990.	1000.	1020.	1030.	1030.	1010.	1070.	1080.	1010.	1070.	1080.
10%	750.	770.	740.	810.	820.	830.	840.	850.	870.	850.	870.	890.	850.	870.	890.
N	41	37	42	42	42	40	42	42	40	42	42	40	42	42	40
SEP MEAN	820.	830.	910.	1000.	1030.	1020.	1040.	1080.	1090.	1060.	1090.	1080.	1060.	1080.	1080.
90%	990.	1000.	1080.	1280.	1310.	1250.	1270.	1260.	1270.	1270.	1320.	1260.	1270.	1320.	1260.
50%	780.	800.	890.	960.	980.	1000.	1000.	1020.	1040.	1030.	1030.	1030.	1030.	1030.	1030.
10%	700.	710.	800.	840.	860.	870.	880.	890.	910.	890.	890.	910.	890.	890.	910.
N	41	39	42	42	42	40	42	41	41	42	42	41	42	42	41
OCT MEAN	800.	800.	930.	1010.	1030.	1030.	1030.	1060.	1070.	1040.	1070.	1070.	1040.	1070.	1070.
90%	970.	930.	1050.	1220.	1260.	1260.	1160.	1250.	1250.	1190.	1220.	1220.	1190.	1220.	1220.
50%	780.	790.	920.	970.	980.	980.	1010.	1010.	1020.	1010.	1040.	1040.	1010.	1040.	1040.
10%	680.	690.	850.	900.	910.	920.	910.	900.	910.	910.	910.	920.	910.	910.	920.
N	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	870.	880.	930.	1040.	1050.	1060.	1080.	1110.	1120.	1090.	1110.	1120.	1090.	1110.	1120.
90%	970.	980.	1070.	1220.	1250.	1250.	1300.	1400.	1400.	1300.	1360.	1360.	1300.	1360.	1360.
50%	870.	880.	920.	1020.	1040.	1040.	1070.	1080.	1080.	1050.	1090.	1090.	1050.	1090.	1090.
10%	760.	760.	840.	880.	890.	900.	910.	910.	920.	920.	920.	920.	920.	920.	920.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	1070.	1080.	880.	1000.	1030.	1030.	1090.	1140.	1150.	1100.	1140.	1140.	1100.	1140.	1140.
90%	1340.	1370.	1090.	1200.	1230.	1230.	1340.	1540.	1530.	1440.	1470.	1470.	1440.	1470.	1470.
50%	1040.	1070.	890.	990.	1020.	1020.	1070.	1070.	1060.	1070.	1100.	1100.	1070.	1100.	1100.
10%	860.	870.	740.	820.	840.	850.	870.	870.	880.	880.	870.	880.	880.	870.	880.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 3

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	1290.	990.	1100.	1120.	1100.	1180.
90%	1470.	1270.	1460.	1420.	1460.	1670.
50%	1290.	990.	1060.	1100.	1060.	1080.
10%	1080.	720.	810.	820.	810.	810.
N	16	42	42	42	42	42
FEB MEAN	1150.	990.	1090.	1100.	1090.	1160.
90%	1550.	1230.	1460.	1430.	1460.	1680.
50%	1180.	980.	1030.	1050.	1030.	1070.
10%	690.	740.	820.	830.	820.	830.
N	23	42	42	42	42	42
MAR MEAN	640.	750.	770.	810.	770.	770.
90%	1110.	1060.	1090.	1130.	1090.	1130.
50%	560.	620.	700.	720.	700.	700.
10%	320.	560.	550.	580.	550.	550.
N	40	42	42	42	42	42
APR MEAN	530.	750.	760.	780.	760.	760.
90%	770.	950.	960.	960.	960.	1000.
50%	490.	760.	780.	780.	780.	800.
10%	280.	550.	560.	550.	560.	530.
N	42	42	42	42	42	42
MAY MEAN	650.	870.	900.	930.	900.	920.
90%	780.	1050.	1080.	1080.	1080.	1110.
50%	670.	890.	920.	930.	920.	930.
10%	470.	660.	710.	720.	710.	680.
N	42	42	42	42	42	42
JUN MEAN	700.	910.	970.	970.	970.	980.
90%	800.	1080.	1190.	1130.	1190.	1230.
50%	740.	890.	950.	940.	950.	920.
10%	550.	740.	770.	770.	770.	780.
N	42	41	41	41	41	41
JUL MEAN	790.	930.	960.	980.	960.	1010.
90%	960.	1090.	1190.	1180.	1190.	1250.
50%	770.	910.	940.	940.	940.	960.
10%	650.	750.	790.	800.	790.	800.
N	42	42	42	42	42	42
AUG MEAN	870.	980.	1040.	1040.	1040.	1080.
90%	1090.	1270.	1290.	1280.	1290.	1340.
50%	830.	960.	1010.	1000.	1010.	1010.
10%	750.	800.	830.	830.	830.	830.
N	41	42	42	42	42	42
SEP MEAN	830.	990.	1030.	1050.	1030.	1080.
90%	1010.	1270.	1270.	1260.	1270.	1330.
50%	790.	950.	980.	1020.	980.	1020.
10%	700.	820.	860.	870.	860.	870.
N	41	42	42	42	42	42
OCT MEAN	810.	1010.	1030.	1040.	1030.	1060.
90%	990.	1220.	1160.	1190.	1160.	1250.
50%	790.	970.	1000.	1010.	1000.	1010.
10%	680.	900.	910.	910.	910.	900.
N	42	42	42	42	42	42
NOV MEAN	880.	1030.	1070.	1090.	1070.	1110.
90%	980.	1220.	1300.	1300.	1300.	1400.
50%	870.	1020.	1070.	1090.	1070.	1070.
10%	760.	880.	910.	910.	910.	910.
N	42	42	42	42	42	42
DEC MEAN	1080.	1000.	1090.	1100.	1090.	1140.
90%	1370.	1200.	1340.	1440.	1340.	1550.
50%	1070.	990.	1070.	1070.	1070.	1070.
10%	860.	820.	870.	870.	870.	860.
N	42	42	42	42	42	42

STATION 4

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	760.	760.	760.	760.	760.	760.	760.	760.	760.	700.	710.	710.	540.	540.	540.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	180.	180.	180.	180.	180.	180.	180.	180.	180.	690.	690.	690.	500.	500.	500.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3	3	3	3	8	8	8	8	8	8
FEB MEAN	710.	710.	710.	710.	710.	710.	710.	710.	710.	730.	730.	730.	550.	550.	550.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	950.	950.	950.	780.	780.	780.
50%	130.	130.	130.	130.	130.	130.	130.	130.	130.	720.	720.	720.	510.	510.	510.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	560.	560.	560.	480.	470.	470.
N	7	7	7	7	7	7	7	7	7	11	11	11	11	11	11
MAR MEAN	530.	590.	590.	590.	650.	650.	590.	650.	650.	690.	700.	700.	520.	520.	520.
90%	640.	800.	800.	800.	990.	990.	800.	990.	990.	880.	880.	880.	600.	600.	600.
50%	520.	550.	550.	550.	590.	570.	550.	590.	570.	680.	680.	680.	500.	500.	500.
10%	450.	450.	450.	450.	460.	460.	450.	460.	460.	560.	560.	560.	480.	480.	480.
N	38	37	37	37	37	37	37	37	37	39	39	39	39	39	39
APR MEAN	530.	540.	540.	530.	530.	540.	530.	530.	540.	660.	670.	670.	510.	510.	510.
90%	620.	620.	620.	620.	620.	620.	620.	620.	620.	840.	840.	840.	580.	580.	580.
50%	530.	530.	530.	530.	530.	530.	530.	530.	530.	660.	660.	660.	500.	500.	500.
10%	430.	430.	430.	430.	430.	430.	430.	430.	430.	520.	520.	520.	460.	460.	460.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	590.	590.	590.	590.	590.	590.	590.	590.	590.	660.	660.	660.	500.	500.	500.
90%	640.	640.	640.	640.	640.	640.	640.	640.	640.	850.	850.	850.	570.	570.	570.
50%	600.	600.	600.	600.	600.	600.	600.	600.	600.	650.	650.	650.	490.	490.	490.
10%	530.	530.	530.	530.	530.	530.	530.	530.	530.	520.	510.	510.	450.	450.	450.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	630.	630.	630.	630.	630.	630.	630.	630.	630.	660.	660.	660.	510.	510.	510.
90%	720.	720.	720.	720.	720.	720.	720.	720.	720.	850.	850.	850.	580.	580.	580.
50%	630.	630.	630.	630.	630.	630.	630.	630.	630.	660.	660.	660.	500.	500.	500.
10%	530.	530.	530.	530.	530.	530.	530.	530.	530.	520.	520.	520.	460.	460.	460.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.	510.	510.	510.
90%	740.	740.	740.	740.	740.	740.	740.	740.	740.	860.	860.	860.	580.	580.	580.
50%	700.	700.	700.	700.	700.	700.	700.	700.	700.	670.	670.	670.	500.	500.	500.
10%	560.	560.	560.	560.	560.	560.	560.	560.	560.	530.	530.	530.	470.	470.	470.
N	33	33	33	33	33	33	33	33	33	42	42	42	42	42	42
AUG MEAN	710.	710.	710.	710.	710.	710.	710.	710.	710.	670.	670.	670.	510.	510.	510.
90%	790.	790.	790.	790.	790.	790.	790.	790.	790.	840.	840.	840.	550.	550.	550.
50%	710.	710.	710.	710.	710.	710.	710.	710.	710.	660.	670.	670.	500.	500.	500.
10%	610.	610.	610.	610.	610.	610.	610.	610.	610.	530.	520.	520.	470.	470.	470.
N	19	19	19	19	19	19	19	19	19	37	37	37	37	37	37
SEP MEAN	720.	720.	720.	720.	720.	720.	720.	720.	720.	690.	690.	690.	510.	510.	510.
90%	810.	810.	810.	810.	810.	810.	810.	810.	810.	870.	870.	870.	580.	580.	580.
50%	720.	720.	720.	720.	720.	720.	720.	720.	720.	680.	680.	680.	500.	500.	500.
10%	610.	610.	610.	610.	610.	610.	610.	610.	610.	530.	530.	530.	470.	470.	470.
N	16	16	16	16	16	16	16	16	16	38	38	38	38	38	38
OCT MEAN	710.	710.	710.	710.	710.	710.	710.	710.	710.	700.	710.	710.	520.	520.	520.
90%	770.	770.	770.	770.	770.	770.	770.	770.	770.	900.	900.	900.	600.	600.	600.
50%	700.	700.	700.	700.	700.	700.	700.	700.	700.	700.	700.	700.	510.	510.	510.
10%	600.	600.	600.	600.	600.	600.	600.	600.	600.	540.	540.	540.	470.	470.	470.
N	35	35	35	35	35	35	35	35	35	42	42	42	42	42	42
NOV MEAN	740.	740.	740.	740.	740.	740.	740.	740.	740.	710.	710.	710.	520.	520.	520.
90%	790.	790.	790.	790.	790.	790.	790.	790.	790.	900.	900.	900.	600.	600.	600.
50%	730.	730.	730.	730.	730.	730.	730.	730.	730.	700.	700.	700.	510.	510.	510.
10%	700.	700.	700.	700.	700.	700.	700.	700.	700.	550.	550.	550.	470.	470.	470.
N	40	40	40	40	40	40	40	40	40	42	42	42	42	42	42
DEC MEAN	770.	770.	770.	770.	770.	770.	770.	770.	770.	700.	700.	700.	520.	520.	520.
90%	810.	810.	810.	810.	810.	810.	810.	810.	810.	880.	880.	880.	570.	570.	570.
50%	780.	780.	780.	780.	780.	780.	780.	780.	780.	690.	700.	700.	510.	510.	510.
10%	700.	700.	700.	700.	700.	700.	700.	700.	700.	550.	540.	540.	480.	470.	470.
N	19	19	19	19	19	19	19	19	19	40	40	40	40	40	40

STATION 4

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	760.	760.	760	700.	760.	760.
90%	0.	0.	0.	0.	0.	0.
50%	780.	780.	780.	690.	780.	780.
10%	0.	0.	0.	0.	0.	0.
N	3	3	3	8	3	3
FEB MEAN	710.	710.	710.	730.	710.	710.
90%	0.	0.	0.	950.	0.	0.
50%	730.	730.	730.	720.	730.	730.
10%	0.	0.	0.	560.	0.	0.
N	7	7	7	11	7	7
MAR MEAN	610.	600.	600	690.	520.	520.
90%	980.	1000.	1000.	880.	630.	630.
50%	550.	520.	520.	680.	520.	520.
10%	450.	450.	450.	560.	440.	440.
N	37	37	37	39	37	37
APR MEAN	530.	530.	530.	670.	530.	530.
90%	620.	620.	620.	840.	620.	620.
50%	530.	530.	530.	660.	530.	530.
10%	430.	430.	430.	530.	430.	430.
N	42	42	42	42	42	42
MAY MEAN	590.	590.	590.	660.	590.	590.
90%	640.	640.	640.	850.	640.	640.
50%	600.	600.	600.	650.	600.	600.
10%	530.	530.	530.	520.	530.	530.
N	42	42	42	42	42	42
JUN MEAN	630.	630.	630.	660.	630.	630.
90%	720.	720.	720.	850.	720.	720.
50%	630.	630.	630.	660.	630.	630.
10%	530.	530.	530.	520.	530.	530.
N	42	42	42	42	42	42
JUL MEAN	670.	670.	670.	670.	670.	670.
90%	740.	740.	740.	860.	740.	740.
50%	700.	700.	700.	670.	700.	700.
10%	560.	560.	560.	530.	560.	560.
N	33	33	33	42	33	33
AUG MEAN	710.	710.	710.	670.	710.	710.
90%	790.	790.	790.	840.	790.	790.
50%	710.	710.	710.	660.	710.	710.
10%	610.	610.	610.	530.	610.	610.
N	19	19	19	37	19	19
SEP MEAN	720.	720.	720.	690.	720.	720.
90%	810.	810.	810.	870.	810.	810.
50%	720.	720.	720.	680.	720.	720.
10%	610.	610.	610.	530.	610.	610.
N	16	16	16	38	16	16
OCT MEAN	710.	710.	710.	700.	710.	710.
90%	770.	770.	770.	900.	770.	770.
50%	700.	700.	700.	700.	700.	700.
10%	660.	660.	660.	540.	660.	660.
N	35	35	35	42	35	35
NOV MEAN	740.	740.	740.	710.	740.	740.
90%	790.	790.	790.	900.	790.	790.
50%	730.	730.	730.	700.	730.	730.
10%	700.	700.	700.	550.	700.	700.
N	40	40	40	42	40	40
DEC MEAN	770.	770.	770.	700.	770.	770.
90%	810.	810.	810.	880.	810.	810.
50%	780.	780.	780.	690.	780.	780.
10%	700.	700.	700.	550.	700.	700.
N	19	19	19	40	19	19

STATION 5

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	500.	500.	500.	500.	500.	500.	500.	500.	500.	640.	640.	640.	490.	490.	490.
90%	580.	580.	580.	580.	580.	580.	580.	580.	580.	1070.	1070.	1070.	560.	560.	560.
50%	420.	420.	420.	420.	420.	420.	420.	420.	420.	560.	560.	560.	420.	420.	420.
10%	430.	430.	430.	430.	430.	430.	430.	430.	430.	450.	450.	450.	430.	430.	430.
N	25	25	25	25	25	25	25	25	25	22	22	22	22	22	22
APR MEAN	490.	490.	490.	490.	490.	490.	490.	490.	490.	620.	620.	620.	480.	480.	480.
90%	550.	550.	550.	550.	550.	550.	550.	550.	550.	1060.	1060.	1060.	530.	530.	530.
50%	500.	500.	500.	500.	500.	500.	500.	500.	500.	550.	550.	550.	480.	480.	480.
10%	430.	430.	430.	430.	430.	430.	430.	430.	430.	430.	430.	430.	420.	420.	420.
N	27	27	27	27	27	27	27	27	27	23	23	23	23	23	23
MAY MEAN	530.	530.	530.	530.	530.	530.	530.	530.	530.	600.	600.	600.	530.	530.	530.
90%	560.	560.	560.	560.	560.	560.	560.	560.	560.	660.	660.	660.	560.	560.	560.
50%	540.	540.	540.	540.	540.	540.	540.	540.	540.	610.	610.	610.	540.	540.	540.
10%	500.	500.	500.	500.	500.	500.	500.	500.	500.	520.	520.	520.	500.	500.	500.
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
JUN MEAN	520.	520.	520.	520.	520.	520.	520.	520.	520.	550.	550.	550.	520.	520.	520.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	530.	530.	530.	530.	530.	530.	530.	530.	530.	540.	540.	540.	530.	530.	530.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
JUL MEAN	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
AUG MEAN	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SEP MEAN	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OCT MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 5

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
MAR MEAN	500.	500.	500.	640.	500.	500.
90%	580.	580.	580.	1070.	580.	580.
50%	420.	420.	420.	560.	420.	420.
10%	430.	430.	430.	450.	430.	430.
N	25	25	25	22	25	25
APR MEAN	490.	490.	490.	620.	490.	490.
90%	550.	550.	550.	1060.	550.	550.
50%	500.	500.	500.	550.	500.	500.
10%	430.	430.	430.	430.	430.	430.
N	27	27	27	23	27	27
MAY MEAN	530.	530.	530.	600.	530.	530.
90%	560.	560.	560.	660.	560.	560.
50%	540.	540.	540.	610.	540.	540.
10%	500.	500.	500.	520.	500.	500.
N	10	10	10	10	10	10
JUN MEAN	520.	520.	520.	550.	520.	520.
90%	0.	0.	0.	0.	0.	0.
50%	530.	530.	530.	540.	530.	530.
10%	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7
JUL MEAN	550.	550.	550.	550.	550.	550.
90%	0.	0.	0.	0.	0.	0.
50%	550.	550.	550.	550.	550.	550.
10%	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2
AUG MEAN	680.	680.	680.	680.	680.	680.
90%	0.	0.	0.	0.	0.	0.
50%	680.	680.	680.	680.	680.	680.
10%	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2
SEP MEAN	590.	590.	590.	590.	590.	590.
90%	0.	0.	0.	0.	0.	0.
50%	590.	590.	590.	590.	590.	590.
10%	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1
OCT MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MAR MEAN	620.	620.	620.	620.	620.	620.	620.	620.	620.	640.	640.	640.	630.	630.	630.
90%	910.	910.	910.	910.	910.	910.	910.	910.	910.	930.	930.	930.	930.	930.	930.
50%	570.	570.	570.	570.	570.	570.	570.	570.	570.	610.	610.	610.	580.	580.	580.
10%	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.
N	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
APR MEAN	690.	690.	690.	690.	690.	690.	690.	690.	690.	700.	700.	700.	700.	700.	700.
90%	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.
50%	630.	630.	630.	630.	630.	630.	630.	630.	630.	670.	670.	670.	640.	640.	640.
10%	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	950.	950.	950.	950.	950.	950.	950.	950.	950.	950.	950.	950.	950.	950.	950.
90%	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.
50%	970.	970.	970.	970.	970.	970.	970.	970.	970.	970.	970.	970.	970.	970.	970.
10%	640.	640.	640.	640.	640.	640.	640.	640.	640.	650.	650.	650.	640.	640.	640.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.
90%	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.
50%	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.
10%	630.	630.	630.	630.	630.	630.	630.	630.	630.	630.	630.	630.	630.	630.	630.
N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
JUL MEAN	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.
90%	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.
50%	1510.	1510.	1510.	1510.	1510.	1510.	1510.	1510.	1510.	1510.	1510.	1510.	1510.	1510.	1510.
10%	760.	760.	760.	760.	760.	760.	760.	760.	760.	760.	760.	760.	760.	760.	760.
N	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
AUG MEAN	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.
90%	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.
50%	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.
10%	880.	880.	880.	880.	880.	880.	880.	880.	880.	880.	880.	880.	880.	880.	880.
N	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
SEP MEAN	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.
90%	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.
50%	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.
10%	900.	900.	900.	900.	900.	900.	900.	900.	900.	900.	900.	900.	900.	900.	900.
N	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
OCT MEAN	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.
90%	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.
50%	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.
10%	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.
N	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
NOV MEAN	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 6

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
FEB MEAN	1270.	1270.	1270.	1270.	1270.	1270.
90%	0.	0.	0.	0.	0.	0.
50%	1220.	1220.	1220.	1220.	1220.	1220.
10%	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3
MAR MEAN	620.	620.	620.	640.	620.	620.
90%	910.	910.	910.	930.	910.	910.
50%	570.	570.	570.	610.	570.	570.
10%	360.	360.	360.	360.	360.	360.
N	37	37	37	37	37	37
APR MEAN	690.	690.	690.	700.	690.	690.
90%	1070.	1070.	1070.	1070.	1070.	1070.
50%	630.	630.	630.	670.	630.	630.
10%	370.	370.	370.	370.	370.	370.
N	42	42	42	42	42	42
MAY MEAN	950.	950.	950.	950.	950.	950.
90%	1180.	1180.	1180.	1180.	1180.	1180.
50%	970.	970.	970.	970.	970.	970.
10%	640.	640.	640.	650.	640.	640.
N	42	42	42	42	42	42
JUN MEAN	1090.	1090.	1090.	1090.	1090.	1090.
90%	1560.	1560.	1560.	1560.	1560.	1560.
50%	1020.	1020.	1020.	1020.	1020.	1020.
10%	630.	630.	630.	630.	630.	630.
N	40	40	40	40	40	40
JUL MEAN	1310.	1310.	1310.	1310.	1310.	1310.
90%	1670.	1670.	1670.	1670.	1670.	1670.
50%	1410.	1410.	1410.	1410.	1410.	1410.
10%	760.	760.	760.	760.	760.	760.
N	32	32	32	32	32	32
AUG MEAN	1310.	1310.	1310.	1310.	1310.	1310.
90%	1670.	1670.	1670.	1670.	1670.	1670.
50%	1380.	1380.	1380.	1380.	1380.	1380.
10%	880.	880.	880.	880.	880.	880.
N	14	14	14	14	14	14
SEP MEAN	1430.	1430.	1430.	1430.	1430.	1430.
90%	1670.	1670.	1670.	1670.	1670.	1670.
50%	1560.	1560.	1560.	1560.	1560.	1560.
10%	900.	900.	900.	900.	900.	900.
N	11	11	11	11	11	11
OCT MEAN	1460.	1460.	1460.	1460.	1460.	1460.
90%	1670.	1670.	1670.	1670.	1670.	1670.
50%	1480.	1480.	1480.	1480.	1480.	1480.
10%	1240.	1240.	1240.	1240.	1240.	1240.
N	28	28	28	28	28	28
NOV MEAN	1380.	1380.	1380.	1380.	1380.	1380.
90%	0.	0.	0.	0.	0.	0.
50%	1480.	1480.	1480.	1480.	1480.	1480.
10%	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3
DEC MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0

STATION 7

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	830.	1070.	1070.	1070.	1070.	1230.	1070.	1070.	1230.	1250.	1240.	1240.	1190.	1180.	1230.
90%	0.	0.	0.	0.	0.	1240.	0.	0.	1240.	0.	0.	1240.	0.	0.	1240.
50%	830.	950.	950.	950.	960.	1240.	950.	960.	1240.	1270.	1360.	1240.	1370.	1360.	1240.
10%	0.	0.	0.	0.	0.	1240.	0.	0.	1240.	0.	0.	1240.	0.	0.	1240.
N	2	4	4	4	4	42	4	4	42	3	3	39	3	3	39
FEB MEAN	810.	960.	960.	960.	960.	970.	960.	960.	970.	1000.	1000.	1110.	930.	930.	1050.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	770.	810.	830.	830.	840.	870.	830.	840.	870.	990.	1000.	1060.	880.	890.	960.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	6	7	7	7	7	7	7	7	7	5	5	6	5	5	6
MAR MEAN	530.	550.	550.	550.	610.	630.	550.	610.	630.	610.	640.	670.	520.	550.	580.
90%	740.	760.	760.	760.	870.	1010.	760.	870.	1010.	760.	800.	910.	670.	720.	810.
50%	520.	510.	510.	510.	540.	550.	510.	540.	550.	610.	610.	620.	520.	510.	530.
10%	380.	380.	380.	380.	390.	390.	380.	390.	390.	490.	480.	490.	400.	400.	410.
N	38	37	37	37	38	38	37	38	38	37	38	38	37	38	38
APR MEAN	530.	530.	530.	530.	530.	530.	530.	530.	530.	590.	590.	590.	500.	500.	500.
90%	680.	690.	690.	690.	690.	690.	690.	690.	690.	750.	750.	750.	610.	620.	620.
50%	520.	520.	520.	520.	520.	520.	520.	520.	520.	590.	590.	590.	500.	500.	510.
10%	380.	380.	380.	380.	380.	380.	380.	380.	380.	440.	440.	440.	400.	400.	400.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	47	42
MAY MEAN	630.	640.	640.	640.	640.	650.	640.	640.	650.	680.	680.	680.	610.	610.	610.
90%	750.	770.	770.	770.	770.	770.	770.	770.	770.	840.	840.	840.	750.	760.	760.
50%	650.	650.	650.	650.	650.	660.	650.	650.	660.	670.	680.	670.	610.	610.	610.
10%	490.	490.	490.	490.	490.	490.	490.	490.	490.	520.	530.	530.	470.	470.	470.
N	42	42	42	42	42	41	42	42	41	42	42	41	42	42	41
JUN MEAN	730.	700.	700.	700.	700.	670.	700.	700.	670.	750.	720.	690.	680.	650.	630.
90%	960.	850.	850.	850.	850.	820.	850.	850.	820.	940.	870.	810.	830.	800.	740.
50%	710.	700.	700.	700.	700.	690.	700.	700.	690.	750.	740.	710.	680.	670.	660.
10%	530.	520.	520.	520.	520.	500.	520.	520.	500.	540.	530.	500.	500.	490.	460.
N	42	34	34	34	33	25	34	33	25	33	28	22	33	28	22
JUL MEAN	940.	630.	630.	630.	640.	630.	630.	640.	630.	660.	660.	600.	600.	600.	560.
90%	1670.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	900.	660.	660.	660.	670.	610.	660.	670.	610.	590.	600.	590.	580.	590.	550.
10%	570.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	38	9	9	9	9	7	9	9	7	8	8	5	8	8	5
AUG MEAN	960.	730.	730.	730.	730.	760.	730.	730.	760.	750.	760.	770.	700.	710.	720.
90%	1480.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	940.	760.	760.	760.	770.	790.	760.	770.	790.	740.	750.	770.	720.	730.	720.
10%	700.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	21	3	3	3	3	3	3	3	3	3	3	2	3	3	2
SEP MEAN	1070.	820.	820.	820.	730.	750.	820.	730.	750.	780.	780.	920.	700.	710.	810.
90%	1560.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	940.	780.	780.	780.	730.	750.	780.	730.	750.	780.	780.	920.	700.	710.	810.
10%	740.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	21	3	3	3	2	2	3	2	2	2	2	1	2	2	1
OCT MEAN	900.	1040.	1040.	1040.	1040.	1050.	1040.	1040.	1050.	1090.	1090.	1090.	1030.	1030.	1040.
90%	970.	1540.	1540.	1540.	1500.	1430.	1540.	1500.	1430.	1460.	1430.	1380.	1460.	1430.	1380.
50%	910.	960.	960.	960.	970.	990.	960.	970.	990.	1010.	1030.	1050.	950.	960.	980.
10%	800.	840.	840.	840.	840.	860.	840.	840.	860.	910.	910.	940.	830.	840.	870.
N	35	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	810.	870.	870.	870.	920.	940.	870.	920.	940.	940.	980.	1000.	850.	890.	930.
90%	910.	990.	990.	990.	1010.	1040.	990.	1010.	1040.	1340.	1390.	1360.	1330.	1390.	1360.
50%	800.	870.	870.	870.	890.	920.	870.	890.	920.	890.	920.	970.	780.	810.	860.
10%	710.	770.	770.	770.	790.	820.	770.	790.	820.	770.	790.	840.	660.	680.	730.
N	40	40	40	40	42	42	40	42	42	40	42	42	40	42	42
DEC MEAN	1050.	1170.	1170.	1170.	1170.	1190.	1170.	1170.	1190.	1230.	1220.	1200.	1200.	1180.	1170.
90%	1670.	1630.	1630.	1630.	1600.	1530.	1630.	1600.	1530.	1550.	1520.	1460.	1550.	1520.	1460.
50%	810.	910.	910.	910.	920.	950.	920.	950.	920.	1240.	1260.	1160.	1410.	1260.	1160.
10%	700.	820.	820.	820.	830.	910.	820.	830.	910.	720.	760.	850.	640.	660.	750.
N	19	33	33	33	33	42	33	33	42	27	30	35	27	30	35

STATION 7

SCENARIO SUMMARY LISTING FOR TOS IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	830.	830.	830.	1060.	830.	830.
90%	0.	0.	0.	0.	0.	0.
50%	830.	830.	830.	1060.	830.	830.
10%	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2
FEB MEAN	810.	810.	810.	970.	810.	810.
90%	0.	0.	0.	0.	0.	0.
50%	770.	770.	770.	940.	770.	770.
10%	0.	0.	0.	0.	0.	0.
N	6	6	6	5	6	6
MAR MEAN	560.	600.	600.	650.	560.	560.
90%	780.	980.	980.	800.	780.	780.
50%	510.	520.	520.	610.	500.	500.
10%	380.	380.	380.	490.	380.	380.
N	37	38	38	38	38	38
APR MEAN	530.	530.	530.	590.	530.	530.
90%	680.	680.	680.	750.	680.	680.
50%	520.	520.	520.	590.	520.	520.
10%	380.	380.	380.	440.	380.	380.
N	42	42	42	42	42	42
MAY MEAN	630.	630.	630.	670.	630.	630.
90%	750.	750.	750.	820.	750.	750.
50%	640.	640.	640.	660.	640.	640.
10%	490.	490.	490.	520.	490.	490.
N	42	42	42	42	42	42
JUN MEAN	730.	730.	730.	790.	730.	730.
90%	960.	960.	960.	1020.	960.	960.
50%	710.	710.	710.	770.	710.	710.
10%	530.	530.	530.	540.	530.	530.
N	42	42	42	42	42	42
JUL MEAN	940.	940.	940.	970.	940.	940.
90%	1670.	1670.	1670.	1570.	1670.	1670.
50%	900.	900.	900.	960.	900.	900.
10%	570.	570.	570.	550.	570.	570.
N	38	38	38	38	38	38
AUG MEAN	960.	960.	960.	980.	960.	960.
90%	1480.	1480.	1480.	1400.	1480.	1480.
50%	940.	940.	940.	900.	940.	940.
10%	700.	700.	700.	690.	700.	700.
N	21	21	21	20	21	21
SEP MEAN	1070.	1070.	1070.	1120.	1070.	1070.
90%	1560.	1560.	1560.	1560.	1560.	1560.
50%	940.	940.	940.	980.	940.	940.
10%	740.	740.	740.	850.	740.	740.
N	21	21	21	21	21	21
OCT MEAN	900.	900.	900.	970.	900.	900.
90%	970.	970.	970.	1100.	970.	970.
50%	910.	910.	910.	970.	910.	910.
10%	800.	800.	800.	860.	800.	800.
N	35	35	35	35	35	35
NOV MEAN	810.	810.	810.	870.	810.	810.
90%	910.	910.	910.	1420.	910.	910.
50%	800.	800.	800.	810.	800.	800.
10%	710.	710.	710.	650.	710.	710.
N	40	40	40	37	40	40
DEC MEAN	1050.	1050.	1050.	990.	1050.	1050.
90%	1670.	1670.	1670.	1600.	1670.	1670.
50%	810.	810.	810.	890.	810.	810.
10%	700.	700.	700.	480.	700.	700.
N	19	19	19	13	19	19

STATION 8		SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L													
MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	1220.	1230.	1070.	1130.	1150.	1160.	1170.	1210.	1210.	1190.	1210.	1210.	1190.	1210.	1210.
90%	1300.	1290.	1210.	1260.	1280.	1280.	1350.	1430.	1390.	1330.	1400.	1370.	1330.	1400.	1370.
50%	1250.	1250.	1080.	1120.	1140.	1160.	1170.	1190.	1200.	1190.	1200.	1200.	1190.	1200.	1200.
10%	1090.	1100.	890.	960.	980.	1020.	1000.	1010.	1040.	1020.	1040.	1060.	1010.	1020.	1050.
N	37	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	1150.	1170.	1020.	1090.	1100.	1110.	1140.	1170.	1180.	1150.	1180.	1180.	1150.	1170.	1180.
90%	1320.	1290.	1180.	1240.	1270.	1250.	1370.	1460.	1420.	1330.	1430.	1410.	1330.	1430.	1410.
50%	1250.	1250.	1050.	1090.	1100.	1120.	1130.	1150.	1150.	1130.	1150.	1150.	1120.	1140.	1150.
10%	900.	920.	830.	910.	920.	940.	940.	950.	970.	960.	970.	980.	950.	960.	970.
N	34	41	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	550.	520.	580.	570.	580.	550.	570.	580.	550.	620.	620.	600.	570.	570.	550.
90%	920.	740.	790.	790.	810.	740.	790.	810.	740.	800.	810.	740.	760.	780.	690.
50%	480.	480.	530.	530.	530.	520.	530.	530.	520.	610.	610.	610.	540.	540.	530.
10%	360.	370.	460.	440.	450.	430.	430.	420.	420.	490.	490.	480.	440.	440.	430.
N	41	34	30	30	28	24	30	28	24	27	26	23	27	26	23
APR MEAN	520.	530.	590.	600.	600.	600.	600.	600.	600.	630.	630.	630.	580.	580.	580.
90%	700.	720.	760.	770.	760.	760.	770.	770.	770.	770.	780.	780.	730.	710.	720.
50%	510.	510.	580.	580.	580.	580.	580.	590.	580.	610.	610.	620.	580.	580.	580.
10%	330.	330.	430.	440.	440.	440.	450.	440.	440.	480.	480.	490.	450.	450.	450.
N	42	41	42	42	41	41	42	41	41	41	41	41	41	41	41
MAY MEAN	650.	670.	720.	730.	740.	750.	740.	750.	760.	770.	770.	770.	730.	730.	740.
90%	750.	790.	860.	880.	890.	930.	900.	920.	930.	960.	980.	940.	920.	940.	910.
50%	680.	690.	740.	740.	750.	760.	760.	770.	760.	780.	780.	780.	740.	750.	760.
10%	490.	490.	540.	570.	570.	580.	570.	570.	580.	590.	590.	600.	540.	540.	580.
N	42	41	41	41	39	41	41	41	39	41	41	38	41	41	38
JUN MEAN	720.	730.	780.	800.	810.	780.	820.	830.	790.	840.	850.	810.	820.	830.	800.
90%	860.	890.	930.	970.	1010.	940.	1040.	1110.	960.	1110.	1060.	960.	1100.	1050.	960.
50%	730.	750.	800.	820.	820.	800.	830.	830.	800.	860.	860.	840.	820.	840.	810.
10%	540.	550.	580.	570.	570.	570.	570.	570.	580.	590.	600.	590.	560.	570.	570.
N	42	36	37	37	37	30	37	37	30	36	35	29	36	35	29
JUL MEAN	820.	790.	800.	820.	820.	730.	840.	840.	730.	850.	850.	740.	840.	850.	730.
90%	990.	980.	960.	1020.	1030.	910.	1020.	1020.	930.	1030.	1060.	930.	1020.	1060.	930.
50%	820.	840.	830.	840.	840.	720.	880.	870.	710.	900.	900.	720.	900.	900.	710.
10%	590.	540.	570.	580.	580.	510.	590.	590.	500.	630.	620.	510.	590.	580.	500.
N	42	22	23	23	22	12	24	22	11	24	21	11	24	21	11
AUG MEAN	920.	950.	970.	1020.	990.	960.	1050.	1010.	960.	1050.	1030.	970.	1050.	1030.	970.
90%	1070.	1080.	1110.	1180.	1120.	C.	1240.	1150.	0.	1230.	1210.	0.	1230.	1210.	0.
50%	890.	920.	960.	1010.	980.	1000.	1030.	980.	990.	1050.	1010.	1020.	1050.	1010.	1020.
10%	780.	730.	870.	890.	870.	C.	890.	880.	0.	910.	870.	0.	910.	870.	0.
N	42	13	19	20	12	3	20	12	3	20	11	3	20	11	3
SEP MEAN	880.	950.	1000.	1040.	1040.	1040.	1060.	1060.	1050.	1070.	1070.	1060.	1070.	1070.	1050.
90%	1090.	1130.	1100.	1190.	1160.	0.	1180.	1190.	0.	1210.	1190.	0.	1210.	1190.	0.
50%	850.	930.	1010.	1040.	1060.	1090.	1080.	1090.	1090.	1090.	1090.	1110.	1090.	1090.	1110.
10%	750.	800.	880.	890.	900.	C.	900.	910.	0.	900.	910.	0.	900.	910.	0.
N	42	26	26	26	23	3	26	24	3	26	24	3	26	24	3
OCT MEAN	850.	910.	980.	1010.	1020.	1040.	1020.	1030.	1050.	1040.	1060.	1070.	1030.	1040.	1050.
90%	1010.	1050.	1090.	1190.	1200.	1210.	1190.	1220.	1230.	1180.	1210.	1220.	1180.	1210.	1220.
50%	820.	900.	980.	1000.	1010.	1030.	1010.	1030.	1050.	1060.	1080.	1080.	1020.	1040.	1050.
10%	730.	770.	840.	860.	870.	880.	880.	900.	910.	880.	900.	910.	880.	890.	910.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	940.	970.	990.	1020.	1030.	1040.	1040.	1050.	1060.	1060.	1070.	1080.	1040.	1060.	1060.
90%	1060.	1080.	1110.	1160.	1210.	1210.	1190.	1260.	1260.	1230.	1250.	1250.	1220.	1250.	1250.
50%	930.	960.	990.	1050.	1060.	1060.	1040.	1060.	1070.	1060.	1070.	1080.	1040.	1060.	1070.
10%	810.	830.	880.	890.	900.	910.	910.	920.	930.	910.	920.	930.	900.	910.	920.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	1110.	1140.	1070.	1110.	1120.	1130.	1140.	1160.	1160.	1150.	1160.	1170.	1150.	1160.	1160.
90%	1260.	1300.	1230.	1290.	1300.	1300.	1310.	1390.	1380.	1340.	1360.	1350.	1340.	1360.	1350.
50%	1120.	1150.	1070.	1100.	1110.	1120.	1130.	1110.	1130.	1150.	1160.	1170.	1150.	1150.	1160.
10%	930.	950.	970.	980.	980.	990.	990.	1000.	1000.	990.	1000.	1000.	980.	990.	1000.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 8

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	1220.	1090.	1160.	1170.	1160.	1200.
90%	1310.	1260.	1400.	1360.	1400.	1510.
50%	1250.	1080.	1150.	1160.	1150.	1160.
10%	1090.	870.	930.	950.	930.	930.
N	37	42	42	42	42	42
FEB MEAN	1160.	1060.	1120.	1140.	1120.	1170.
90%	1330.	1240.	1410.	1370.	1410.	1530.
50%	1250.	1070.	1110.	1120.	1110.	1130.
10%	900.	840.	890.	920.	890.	900.
N	34	42	42	42	42	42
MAR MEAN	540.	650.	660.	710.	640.	650.
90%	800.	990.	1020.	990.	980.	990.
50%	500.	520.	520.	650.	570.	570.
10%	370.	460.	450.	510.	440.	440.
N	37	42	42	39	42	42
APR MEAN	530.	600.	600.	630.	600.	600.
90%	710.	760.	760.	780.	760.	760.
50%	510.	520.	520.	630.	520.	520.
10%	330.	440.	440.	480.	440.	440.
N	42	42	42	42	42	42
MAY MEAN	600.	710.	720.	740.	720.	730.
90%	760.	850.	870.	910.	870.	880.
50%	680.	730.	740.	760.	740.	750.
10%	490.	560.	560.	580.	560.	560.
N	42	42	42	41	42	42
JUN MEAN	730.	790.	810.	840.	810.	810.
90%	870.	930.	980.	1050.	980.	1010.
50%	730.	790.	800.	840.	800.	800.
10%	540.	580.	560.	590.	590.	580.
N	42	42	42	42	42	42
JUL MEAN	820.	880.	900.	910.	900.	910.
90%	1000.	1060.	1110.	1090.	1110.	1110.
50%	830.	890.	920.	930.	920.	930.
10%	590.	630.	630.	620.	630.	640.
N	42	42	42	42	42	42
AUG MEAN	930.	980.	1010.	1020.	1010.	1040.
90%	1080.	1160.	1200.	1190.	1200.	1270.
50%	900.	960.	990.	990.	990.	1010.
10%	790.	790.	800.	810.	800.	800.
N	42	42	42	42	42	42
SEP MEAN	890.	990.	1020.	1040.	1020.	1050.
90%	1100.	1170.	1180.	1190.	1180.	1260.
50%	850.	980.	1010.	1030.	1010.	1020.
10%	760.	840.	860.	870.	860.	860.
N	42	42	42	42	42	42
OCT MEAN	850.	970.	980.	1010.	980.	990.
90%	1020.	1140.	1120.	1150.	1120.	1170.
50%	830.	950.	970.	990.	970.	970.
10%	730.	840.	860.	860.	860.	870.
N	42	41	41	41	41	41
NOV MEAN	940.	1000.	1020.	1040.	1020.	1040.
90%	1060.	1150.	1190.	1230.	1190.	1270.
50%	940.	1020.	1020.	1050.	1020.	1030.
10%	810.	880.	890.	890.	890.	900.
N	42	42	42	42	42	42
DEC MEAN	1120.	1080.	1120.	1130.	1120.	1140.
90%	1270.	1240.	1320.	1330.	1320.	1400.
50%	1120.	1070.	1090.	1100.	1090.	1090.
10%	930.	930.	960.	970.	960.	970.
N	42	42	42	42	42	42

STATION 9

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	430.	730.	730.	670.	710.	710.	670.	710.	710.	680.	710.	710.	420.	420.	420.
90%	660.	2260.	2260.	1190.	1190.	1190.	1190.	1190.	1190.	1190.	1190.	1190.	590.	590.	590.
50%	400.	460.	460.	560.	660.	690.	560.	660.	690.	570.	680.	680.	400.	400.	400.
10%	300.	310.	310.	320.	330.	340.	320.	330.	340.	320.	340.	340.	300.	300.	300.
N	28	22	22	27	27	27	27	27	27	27	27	27	27	27	27
APR MEAN	420.	490.	490.	420.	420.	420.	420.	420.	420.	690.	690.	690.	420.	420.	420.
90%	630.	660.	660.	630.	630.	630.	630.	630.	630.	1260.	1260.	1260.	630.	630.	630.
50%	410.	470.	470.	410.	410.	410.	410.	410.	410.	520.	520.	520.	410.	410.	410.
10%	240.	250.	250.	240.	240.	240.	240.	240.	240.	250.	250.	250.	240.	240.	240.
N	35	32	32	35	35	35	35	35	35	35	35	35	35	35	35
MAY MEAN	640.	640.	640.	640.	640.	640.	640.	640.	640.	760.	740.	740.	590.	590.	590.
90%	780.	780.	780.	780.	780.	780.	780.	780.	780.	1070.	1020.	1020.	700.	700.	700.
50%	680.	680.	680.	680.	680.	680.	680.	680.	680.	740.	720.	720.	610.	610.	610.
10%	470.	470.	470.	470.	470.	470.	470.	470.	470.	490.	480.	480.	460.	460.	460.
N	28	28	28	28	28	28	28	28	28	21	21	21	21	21	21
JUN MEAN	610.	600.	600.	610.	610.	610.	610.	610.	610.	680.	710.	710.	600.	600.	600.
90%	750.	740.	740.	750.	750.	750.	750.	750.	750.	970.	1040.	1040.	740.	740.	740.
50%	640.	640.	640.	640.	640.	640.	640.	640.	640.	720.	740.	740.	640.	640.	640.
10%	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.
N	21	20	20	21	21	21	21	21	21	20	20	20	20	20	20
JUL MEAN	680.	680.	680.	680.	680.	680.	680.	680.	680.	740.	760.	760.	680.	680.	680.
90%	780.	780.	780.	780.	780.	780.	780.	780.	780.	920.	960.	960.	780.	780.	780.
50%	680.	680.	680.	680.	680.	680.	680.	680.	680.	740.	750.	750.	680.	680.	680.
10%	500.	500.	500.	500.	500.	500.	500.	500.	500.	510.	510.	510.	500.	500.	500.
N	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
AUG MEAN	670.	670.	670.	670.	670.	670.	670.	670.	670.	740.	760.	760.	670.	670.	670.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	670.	670.	670.	670.	670.	670.	670.	670.	670.	730.	750.	750.	670.	670.	670.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
SEP MEAN	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	650.	650.	650.	650.	650.	650.	650.	650.	650.	650.	650.	650.	650.	650.	650.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
OCT MEAN	750.	750.	750.	750.	750.	750.	750.	750.	750.	900.	890.	890.	720.	750.	750.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	750.	750.	750.	750.	750.	750.	750.	750.	750.	900.	890.	890.	720.	750.	750.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	1	2	2	1	2	2
NOV MEAN	720.	720.	720.	720.	720.	720.	720.	720.	720.	810.	830.	830.	720.	720.	720.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	720.	720.	720.	720.	720.	720.	720.	720.	720.	810.	830.	830.	720.	720.	720.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 9

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0	--0	--0	--0	--0	--0
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0	--0	--0	--0	--0	--0
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
MAR MEAN	730.	670.	670.	680.	420.	420.
90%	2260.	1190.	1190.	1190.	590.	590.
50%	460	560	560	570	400	400
10%	310.	320.	320.	320.	300.	300.
N	22	27	27	27	27	27
APR MEAN	490.	420.	420.	690.	420.	420.
90%	660.	630.	630.	1260.	630.	630.
50%	470	410	410	520	410	410
10%	250.	240.	240.	250.	240.	240.
N	32	35	35	35	35	35
MAY MEAN	640.	640.	640.	760.	640.	640.
90%	780.	780.	780.	1070.	780.	780.
50%	680	680	680	740	680	680
10%	470.	470.	470.	490.	470.	470.
N	28	28	28	21	28	28
JUN MEAN	600.	610.	610.	680.	610.	610.
90%	740.	750.	750.	970.	750.	750.
50%	640	640	640	720	640	640
10%	400.	400.	400.	400.	400.	400.
N	20	21	21	20	21	21
JUL MEAN	680.	680.	680.	740.	680.	680.
90%	780.	780.	780.	920.	780.	780.
50%	680	680	680	740	680	680
10%	500.	500.	500.	510.	500.	500.
N	12	12	12	12	12	12
AUG MEAN	670.	670.	670.	740.	670.	670.
90%	0.	0.	0.	0.	0.	0.
50%	670	670	670	730	670	670
10%	0.	0.	0.	0.	0.	0.
N	6	6	6	6	6	6
SEP MEAN	670.	670.	670.	670.	670.	670.
90%	0.	0.	0.	0.	0.	0.
50%	650	650	650	650	650	650
10%	0.	0.	0.	0.	0.	0.
N	4	4	4	4	4	4
OCT MEAN	750.	750.	750.	900.	750.	750.
90%	0.	0.	0.	0.	0.	0.
50%	750	750	750	900	750	750
10%	0.	0.	0.	0.	0.	0.
N	2	2	2	1	2	2
NOV MEAN	720.	720.	720.	810.	720.	720.
90%	0.	0.	0.	0.	0.	0.
50%	720	720	720	810	720	720
10%	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2
DEC MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0	--0	--0	--0	--0	--0
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0

STATION 10

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	390.	390.	390.	390.	390.	390.	390.	390.	390.	490.	490.	490.	380.	380.	380.
90%	500.	500.	500.	500.	500.	500.	500.	500.	500.	850.	850.	850.	490.	490.	490.
50%	380.	380.	380.	380.	380.	380.	380.	380.	380.	420.	420.	420.	370.	370.	370.
10%	290.	290.	290.	290.	290.	290.	290.	290.	290.	300.	300.	300.	290.	290.	290.
N	24	24	24	24	24	24	24	24	24	23	23	23	23	23	23
APR MEAN	360.	360.	360.	360.	360.	360.	360.	360.	360.	470.	470.	470.	340.	340.	340.
90%	520.	520.	520.	520.	520.	520.	520.	520.	520.	920.	920.	920.	460.	460.	460.
50%	350.	350.	350.	350.	350.	350.	350.	350.	350.	400.	400.	400.	340.	340.	340.
10%	230.	230.	230.	230.	230.	230.	230.	230.	230.	230.	230.	230.	220.	220.	220.
N	26	26	26	26	26	26	26	26	26	23	23	23	23	23	23
MAY MEAN	510.	510.	510.	510.	510.	510.	510.	510.	510.	540.	540.	540.	510.	510.	510.
90%	550.	550.	550.	550.	550.	550.	550.	550.	550.	600.	600.	600.	550.	550.	550.
50%	530.	530.	530.	530.	530.	530.	530.	530.	530.	560.	560.	560.	530.	530.	530.
10%	440.	440.	440.	440.	440.	440.	440.	440.	440.	450.	450.	450.	440.	440.	440.
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
JUN MEAN	470.	470.	470.	470.	470.	470.	470.	470.	470.	490.	490.	490.	470.	470.	470.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	480.	480.	480.	480.	480.	480.	480.	480.	480.	490.	490.	490.	480.	480.	480.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
JUL MEAN	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
AUG MEAN	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SEP MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCT MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 10

SCENARIO SUMMARY LISTING FOR TOS IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
MAR MEAN	390.	390.	390.	490.	390.	390.
90%	500.	500.	500.	850.	500.	500.
50%	380.	380.	380.	420.	380.	380.
10%	290.	290.	290.	330.	290.	290.
N	24	24	24	23	24	24
APR MEAN	360.	360.	360.	470.	360.	360.
90%	520.	520.	520.	920.	520.	520.
50%	350.	350.	350.	400.	350.	350.
10%	230.	230.	230.	230.	230.	230.
N	26	26	26	23	26	26
MAY MEAN	510.	510.	510.	540.	510.	510.
90%	550.	550.	550.	600.	550.	550.
50%	530.	530.	530.	560.	530.	530.
10%	440.	440.	440.	450.	440.	440.
N	10	10	10	10	10	10
JUN MEAN	470.	470.	470.	490.	470.	470.
90%	0.	0.	0.	0.	0.	0.
50%	480.	480.	480.	490.	480.	480.
10%	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7
JUL MEAN	500.	500.	500.	500.	500.	500.
90%	0.	0.	0.	0.	0.	0.
50%	500.	500.	500.	500.	500.	500.
10%	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2
AUG MEAN	510.	510.	510.	510.	510.	510.
90%	0.	0.	0.	0.	0.	0.
50%	510.	510.	510.	510.	510.	510.
10%	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1
SEP MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
OCT MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0

STATION 11

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
90%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
50%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
10%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
N	24	25	25	25	28	42	25	28	42	25	28	42	25	28	42
FEB MEAN	780.	790.	790.	790.	790.	790.	790.	790.	790.	790.	790.	790.	790.	790.	790.
90%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
50%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
10%	660.	780.	780.	780.	780.	780.	780.	780.	780.	780.	780.	780.	780.	780.	780.
N	13	20	20	20	20	22	20	20	22	20	20	22	20	20	22
MAR MEAN	440.	440.	440.	440.	440.	450.	440.	440.	450.	440.	450.	450.	430.	430.	430.
90%	510.	520.	520.	520.	520.	520.	520.	520.	520.	520.	520.	520.	520.	520.	520.
50%	510.	520.	520.	520.	520.	580.	550.	520.	580.	550.	580.	580.	520.	520.	520.
10%	310.	310.	310.	310.	320.	320.	310.	320.	320.	310.	320.	320.	310.	310.	310.
N	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41
APR MEAN	420.	430.	430.	430.	430.	420.	430.	430.	420.	440.	440.	430.	420.	430.	420.
90%	530.	530.	530.	530.	530.	540.	530.	530.	540.	530.	530.	540.	530.	530.	540.
50%	540.	540.	540.	540.	540.	540.	540.	540.	540.	580.	580.	570.	540.	540.	540.
10%	270.	270.	270.	270.	270.	270.	270.	270.	270.	270.	270.	270.	270.	270.	270.
N	42	42	42	42	42	41	42	42	41	42	42	41	42	42	41
MAY MEAN	610.	610.	610.	610.	610.	590.	610.	610.	590.	610.	610.	590.	610.	610.	590.
90%	760.	760.	760.	760.	760.	700.	760.	760.	700.	760.	760.	700.	760.	760.	700.
50%	620.	620.	620.	620.	620.	610.	620.	620.	610.	620.	630.	620.	610.	620.	610.
10%	430.	430.	430.	430.	430.	420.	430.	430.	420.	430.	430.	420.	430.	430.	420.
N	42	42	42	42	42	36	42	42	36	42	42	36	42	42	36
JUN MEAN	650.	660.	660.	660.	660.	590.	660.	660.	590.	660.	660.	600.	660.	660.	590.
90%	790.	800.	800.	800.	800.	700.	800.	800.	700.	800.	800.	710.	800.	800.	690.
50%	680.	680.	680.	680.	690.	610.	680.	690.	610.	690.	700.	620.	680.	690.	610.
10%	470.	470.	470.	470.	470.	400.	470.	470.	400.	470.	470.	400.	470.	470.	400.
N	42	42	42	42	42	23	42	42	23	42	42	23	42	42	23
JUL MEAN	720.	730.	730.	730.	700.	770.	730.	700.	770.	730.	710.	770.	730.	700.	770.
90%	750.	760.	760.	760.	760.	0.	760.	760.	0.	760.	770.	0.	760.	770.	0.
50%	740.	740.	740.	740.	720.	770.	740.	720.	770.	750.	710.	770.	740.	700.	770.
10%	680.	690.	690.	690.	570.	0.	690.	570.	0.	690.	580.	0.	690.	570.	0.
N	42	41	41	41	13	4	41	13	4	41	11	4	41	11	4
AUG MEAN	820.	780.	780.	780.	750.	810.	780.	750.	810.	790.	760.	810.	780.	750.	810.
90%	860.	850.	850.	850.	0.	0.	850.	0.	0.	850.	0.	0.	850.	0.	0.
50%	810.	810.	810.	810.	770.	830.	810.	770.	830.	810.	780.	830.	810.	770.	830.
10%	770.	630.	630.	630.	0.	0.	630.	0.	0.	640.	0.	0.	630.	0.	0.
N	42	15	15	15	6	4	15	6	4	15	6	4	15	6	4
SEP MEAN	800.	800.	800.	800.	740.	610.	800.	740.	610.	800.	740.	610.	800.	740.	610.
90%	890.	900.	900.	900.	0.	0.	900.	0.	0.	900.	0.	0.	900.	0.	0.
50%	800.	820.	820.	820.	770.	610.	820.	770.	610.	820.	770.	610.	820.	770.	610.
10%	770.	630.	630.	630.	0.	0.	630.	0.	0.	630.	0.	0.	630.	0.	0.
N	42	17	17	17	7	1	17	7	1	17	7	1	17	7	1
OCT MEAN	820.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.
90%	910.	900.	900.	900.	890.	880.	900.	890.	880.	900.	890.	880.	900.	890.	880.
50%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
10%	740.	750.	750.	750.	750.	750.	750.	750.	750.	750.	750.	750.	750.	750.	750.
N	40	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	820.	820.	820.	820.	820.	810.	820.	820.	810.	820.	820.	820.	820.	820.	810.
90%	890.	880.	880.	880.	880.	870.	880.	880.	870.	880.	880.	870.	880.	880.	870.
50%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
10%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
N	40	40	40	40	42	42	40	42	42	40	41	42	40	41	42
DEC MEAN	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.
90%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
50%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
10%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
N	39	39	39	39	41	42	39	41	42	39	41	42	39	41	42

STATION 11

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO	YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN	MEAN	800.	800.	800.	800.	800.	800.
	90%	800.	800.	800.	800.	800.	800.
	50%	800.	800.	800.	800.	800.	800.
	10%	800.	800.	800.	800.	800.	800.
	N	24	24	24	24	24	24
FEB	MEAN	780.	780.	780.	780.	780.	780.
	90%	800.	800.	800.	800.	800.	800.
	50%	800.	800.	800.	800.	800.	800.
	10%	660.	660.	660.	660.	660.	660.
	N	13	13	13	13	13	13
MAR	MEAN	440.	440.	440.	440.	430.	430.
	90%	510.	510.	510.	510.	510.	510.
	50%	450.	450.	450.	450.	420.	420.
	10%	310.	310.	310.	310.	310.	310.
	N	41	41	41	41	41	41
APR	MEAN	430.	420.	420.	440.	420.	420.
	90%	530.	530.	530.	530.	530.	530.
	50%	440.	440.	440.	470.	440.	440.
	10%	270.	270.	270.	270.	270.	270.
	N	42	42	42	42	42	42
MAY	MEAN	610.	610.	610.	610.	610.	610.
	90%	760.	760.	760.	760.	760.	760.
	50%	620.	620.	620.	620.	620.	620.
	10%	430.	430.	430.	430.	430.	430.
	N	42	42	42	42	42	42
JUN	MEAN	650.	650.	650.	660.	650.	650.
	90%	790.	790.	790.	790.	790.	790.
	50%	680.	680.	680.	680.	680.	680.
	10%	470.	470.	470.	470.	470.	470.
	N	42	42	42	42	42	42
JUL	MEAN	720.	720.	720.	730.	720.	720.
	90%	750.	750.	750.	750.	750.	750.
	50%	740.	740.	740.	740.	740.	740.
	10%	680.	680.	680.	690.	680.	680.
	N	42	42	42	42	42	42
AUG	MEAN	820.	820.	820.	820.	820.	820.
	90%	860.	860.	860.	860.	860.	860.
	50%	830.	830.	830.	830.	830.	830.
	10%	770.	770.	770.	780.	770.	770.
	N	42	42	42	42	42	42
SEP	MEAN	800.	800.	800.	800.	800.	800.
	90%	890.	890.	890.	890.	890.	890.
	50%	800.	800.	800.	800.	800.	800.
	10%	770.	770.	770.	770.	770.	770.
	N	42	42	42	42	42	42
OCT	MEAN	820.	820.	820.	820.	820.	820.
	90%	910.	910.	910.	910.	910.	910.
	50%	800.	800.	800.	800.	800.	800.
	10%	740.	740.	740.	740.	740.	740.
	N	40	40	40	40	40	40
NOV	MEAN	820.	820.	820.	820.	820.	820.
	90%	890.	890.	890.	890.	890.	890.
	50%	800.	800.	800.	800.	800.	800.
	10%	800.	800.	800.	800.	800.	800.
	N	40	40	40	40	40	40
DEC	MEAN	810.	810.	810.	810.	810.	810.
	90%	800.	800.	800.	800.	800.	800.
	50%	800.	800.	800.	800.	800.	800.
	10%	800.	800.	800.	800.	800.	800.
	N	39	39	39	39	39	39

STATION 12

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	1230.	1230.	1130.	1160.	0.	0.	1190.	0.	0.	1200.	0.	0.	1200.	0.	0.
90%	1350.	1310.	1250.	1290.	0.	0.	1340.	0.	0.	1340.	0.	0.	1340.	0.	0.
50%	1240.	1240.	1150.	1170.	-0.	-0.	1180.	-0.	-0.	1190.	-0.	-0.	1190.	-0.	-0.
10%	1110.	1130.	950.	1030.	0.	0.	1070.	0.	0.	1080.	0.	0.	1080.	0.	0.
N	41	42	42	42	0	0	42	0	0	42	0	0	42	0	0
FEB MEAN	1220.	1210.	1110.	1140.	0.	0.	1170.	0.	0.	1180.	0.	0.	1180.	0.	0.
90%	1360.	1320.	1250.	1280.	0.	0.	1350.	0.	0.	1340.	0.	0.	1340.	0.	0.
50%	1300.	1280.	1150.	1190.	-0.	-0.	1210.	-0.	-0.	1210.	-0.	-0.	1210.	-0.	-0.
10%	920.	930.	870.	920.	0.	0.	920.	0.	0.	940.	0.	0.	930.	0.	0.
N	40	42	42	42	0	0	42	0	0	42	0	0	42	0	0
MAR MEAN	480.	500.	520.	520.	380.	350.	510.	380.	340.	520.	400.	360.	510.	380.	340.
90%	580.	710.	710.	710.	0.	0.	710.	0.	0.	710.	0.	0.	710.	0.	0.
50%	480.	470.	500.	490.	380.	350.	490.	380.	340.	500.	390.	370.	480.	360.	340.
10%	340.	340.	380.	370.	0.	0.	360.	0.	0.	370.	0.	0.	350.	0.	0.
N	42	35	35	35	7	3	35	7	3	35	7	3	35	7	3
APR MEAN	490.	510.	540.	540.	480.	410.	540.	480.	410.	550.	490.	420.	530.	470.	400.
90%	650.	660.	680.	680.	670.	640.	690.	670.	650.	700.	680.	630.	660.	640.	600.
50%	500.	510.	530.	520.	440.	370.	520.	440.	370.	540.	460.	390.	520.	430.	380.
10%	300.	310.	350.	360.	330.	300.	350.	310.	300.	380.	320.	310.	360.	320.	300.
N	42	42	42	42	23	12	42	23	11	42	22	11	42	27	11
MAY MEAN	670.	690.	710.	720.	700.	620.	720.	700.	620.	730.	700.	620.	720.	680.	610.
90%	810.	880.	910.	920.	900.	820.	920.	910.	820.	940.	930.	830.	930.	920.	820.
50%	650.	700.	720.	730.	680.	590.	730.	680.	600.	760.	680.	600.	730.	660.	590.
10%	490.	490.	510.	520.	510.	490.	530.	510.	490.	540.	520.	490.	520.	510.	480.
N	42	42	42	42	24	14	42	23	14	42	23	14	42	23	14
JUN MEAN	750.	790.	810.	810.	790.	770.	820.	790.	770.	830.	800.	770.	820.	790.	770.
90%	930.	1130.	1130.	1140.	1130.	1010.	1140.	1130.	1010.	1150.	1150.	1010.	1150.	1150.	1010.
50%	760.	750.	810.	810.	770.	770.	810.	760.	760.	830.	780.	780.	820.	770.	770.
10%	520.	520.	540.	540.	470.	500.	540.	470.	500.	540.	470.	510.	540.	460.	500.
N	42	41	41	41	28	14	41	28	14	41	27	14	41	27	14
JUL MEAN	840.	960.	960.	960.	1000.	970.	960.	1000.	980.	970.	1000.	1000.	970.	1000.	1000.
90%	1000.	1220.	1220.	1220.	1380.	1380.	1220.	1380.	1380.	1220.	1380.	1380.	1220.	1380.	1380.
50%	870.	1020.	1010.	1020.	990.	980.	1020.	990.	980.	1030.	960.	1010.	1030.	970.	1010.
10%	580.	590.	600.	610.	610.	570.	610.	620.	570.	620.	620.	550.	610.	610.	550.
N	42	37	37	37	28	17	37	28	17	37	27	16	37	27	16
AUG MEAN	970.	1230.	1210.	1210.	1240.	1300.	1270.	1240.	1300.	1220.	1240.	1300.	1220.	1240.	1300.
90%	1110.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1390.	1380.
50%	920.	1280.	1240.	1250.	1320.	1360.	1250.	1320.	1360.	1260.	1320.	1360.	1260.	1320.	1360.
10%	820.	990.	990.	1010.	1020.	1130.	1010.	1010.	1130.	1020.	1010.	1130.	1010.	1040.	1130.
N	42	33	33	33	27	17	33	27	17	33	25	16	33	25	16
SEP MEAN	1010.	1200.	1190.	1200.	1220.	1260.	1200.	1220.	1260.	1210.	1210.	1280.	1210.	1210.	1280.
90%	1180.	1370.	1370.	1370.	1360.	1360.	1370.	1360.	1360.	1370.	1360.	1370.	1370.	1360.	1370.
50%	1020.	1250.	1220.	1230.	1250.	1360.	1230.	1250.	1360.	1240.	1260.	1360.	1240.	1260.	1360.
10%	850.	860.	880.	880.	1040.	840.	880.	1040.	840.	880.	1010.	830.	880.	1010.	830.
N	42	38	38	38	29	17	38	29	17	38	27	16	38	27	16
OCT MEAN	960.	980.	1030.	1040.	0.	0.	1050.	0.	0.	1060.	0.	0.	1050.	0.	0.
90%	1120.	1140.	1150.	1160.	0.	0.	1180.	0.	0.	1180.	0.	0.	1180.	0.	0.
50%	970.	1010.	1060.	1070.	-0.	-0.	1070.	-0.	-0.	1090.	-0.	-0.	1080.	-0.	-0.
10%	780.	800.	820.	830.	0.	0.	840.	0.	0.	840.	0.	0.	830.	0.	0.
N	42	42	42	42	0	0	42	0	0	42	0	0	42	0	0
NOV MEAN	1000.	1010.	1030.	1040.	0.	0.	1050.	0.	0.	1060.	0.	0.	1060.	0.	0.
90%	1150.	1160.	1180.	1210.	0.	0.	1230.	0.	0.	1220.	0.	0.	1220.	0.	0.
50%	990.	1010.	1030.	1030.	-0.	-0.	1040.	-0.	-0.	1050.	-0.	-0.	1040.	-0.	-0.
10%	850.	860.	880.	890.	0.	0.	890.	0.	0.	890.	0.	0.	890.	0.	0.
N	42	42	42	42	0	0	42	0	0	42	0	0	42	0	0
DEC MEAN	1140.	1150.	1120.	1140.	0.	0.	1160.	0.	0.	1160.	0.	0.	1160.	0.	0.
90%	1250.	1250.	1240.	1270.	0.	0.	1290.	0.	0.	1290.	0.	0.	1290.	0.	0.
50%	1180.	1170.	1140.	1160.	-0.	-0.	1170.	-0.	-0.	1180.	-0.	-0.	1180.	-0.	-0.
10%	960.	970.	980.	990.	0.	0.	990.	0.	0.	990.	0.	0.	990.	0.	0.
N	42	42	42	42	0	0	42	0	0	42	0	0	42	0	0

STATION 12

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
MAR MEAN	320.	370.	340.	370.	340.	340.
90%	0.	0.	0.	0.	0.	0.
50%	320.	370.	340.	370.	340.	340.
10%	0.	0.	0.	0.	0.	0.
N	4	4	3	3	3	3
APR MEAN	410.	430.	420.	440.	430.	420.
90%	620.	650.	670.	670.	650.	650.
50%	320.	380.	370.	390.	370.	380.
10%	270.	310.	310.	320.	310.	300.
N	14	13	15	12	13	13
MAY MEAN	590.	610.	620.	620.	620.	620.
90%	770.	770.	770.	780.	770.	770.
50%	580.	580.	520.	590.	590.	590.
10%	450.	480.	470.	500.	480.	480.
N	16	15	15	15	15	15
JUN MEAN	700.	710.	710.	740.	710.	710.
90%	900.	890.	910.	910.	910.	900.
50%	700.	710.	730.	740.	730.	720.
10%	470.	440.	440.	500.	440.	440.
N	20	16	15	15	16	16
JUL MEAN	810.	820.	840.	810.	830.	820.
90%	990.	1000.	1020.	1010.	1020.	1010.
50%	870.	870.	820.	880.	860.	870.
10%	570.	590.	570.	590.	590.	590.
N	22	21	21	18	21	20
AUG MEAN	1000.	1000.	1020.	1030.	1020.	1030.
90%	1130.	1130.	1150.	1160.	1150.	1180.
50%	1010.	1000.	1030.	1040.	1030.	1040.
10%	810.	840.	860.	860.	860.	860.
N	22	22	21	20	21	21
SEP MEAN	1030.	1070.	1080.	1080.	1080.	1080.
90%	1190.	1190.	1180.	1190.	1180.	1200.
50%	1030.	1080.	1120.	1110.	1100.	1100.
10%	830.	870.	870.	850.	870.	880.
N	22	22	22	20	22	22
OCT MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.

ATTACHMENT 2

Predicted TDS Concentrations in the Poplar River Basin

b. For the sensitivity analyses performed where

I=Montana irrigation use reduced

W=all salt applied in irrigation water returned

E=evaporation in Cookson Reservoir

20% higher than used in model

F=evaporation in Cookson Reservoir

20% lower than used in model

A=no ash lagoon pickup

STATION 1

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC21	SC-4	SC4w	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	1450.	1450.	990.	990.	1190.	1400.	1020.	1120.	980.
90%	1780.	1780.	1270.	1270.	1670.	2210.	1310.	1420.	1300.
50%	1470.	1470.	980.	980.	1080.	1220.	1000.	1100.	970.
10%	1160.	1160.	720.	720.	810.	830.	740.	820.	670.
N	28	28	42	42	42	42	42	42	42
FEB MEAN	1230.	1230.	990.	990.	1180.	1380.	1010.	1120.	980.
90%	1620.	1620.	1230.	1230.	1680.	2280.	1300.	1430.	1270.
50%	1290.	1290.	970.	970.	1070.	1200.	990.	1070.	960.
10%	730.	730.	740.	740.	830.	840.	740.	830.	680.
N	28	28	42	42	42	42	42	42	42
MAR MEAN	360.	360.	930.	930.	1020.	1080.	950.	1000.	930.
90%	680.	680.	1090.	1090.	1190.	1320.	1120.	1180.	1080.
50%	250.	250.	930.	930.	990.	1030.	940.	980.	920.
10%	150.	150.	770.	770.	850.	890.	820.	840.	820.
N	27	27	42	42	42	42	42	42	42
APR MEAN	470.	470.	850.	850.	930.	960.	860.	910.	850.
90%	610.	610.	1040.	1040.	1150.	1190.	1070.	1060.	1010.
50%	340.	340.	880.	880.	940.	950.	900.	960.	920.
10%	130.	130.	590.	590.	650.	690.	610.	660.	570.
N	41	41	42	42	42	42	42	42	42
MAY MEAN	550.	550.	890.	890.	970.	1010.	910.	960.	880.
90%	690.	690.	1090.	1090.	1230.	1330.	1100.	1140.	1070.
50%	560.	560.	920.	920.	940.	980.	920.	970.	880.
10%	330.	330.	660.	660.	690.	770.	700.	770.	680.
N	42	42	42	42	42	42	42	42	42
JUN MEAN	620.	620.	920.	920.	1030.	1080.	950.	1010.	900.
90%	730.	730.	1100.	1100.	1470.	1410.	1260.	1360.	1080.
50%	640.	640.	910.	910.	960.	1000.	920.	970.	920.
10%	430.	430.	770.	770.	790.	790.	770.	790.	730.
N	42	42	42	42	42	42	42	42	42
JUL MEAN	720.	720.	940.	940.	1070.	1120.	940.	1010.	910.
90%	920.	920.	1210.	1210.	1360.	1640.	1170.	1210.	1140.
50%	680.	680.	920.	920.	1020.	1040.	930.	1010.	900.
10%	550.	550.	720.	720.	790.	770.	740.	790.	700.
N	42	42	42	42	42	42	42	42	42
AUG MEAN	820.	820.	970.	970.	1090.	1190.	970.	1050.	940.
90%	1080.	1080.	1290.	1290.	1380.	1700.	1230.	1290.	1180.
50%	770.	770.	950.	950.	1040.	1080.	980.	1040.	920.
10%	660.	660.	760.	760.	790.	760.	740.	800.	710.
N	42	42	42	42	42	42	42	42	42
SEP MEAN	770.	770.	990.	990.	1110.	1230.	990.	1070.	960.
90%	1000.	1000.	1280.	1280.	1380.	1760.	1220.	1290.	1200.
50%	720.	720.	960.	960.	1060.	1130.	980.	1060.	950.
10%	620.	620.	790.	790.	840.	840.	800.	840.	770.
N	42	42	42	42	42	42	42	42	42
OCT MEAN	740.	740.	1030.	1030.	1110.	1230.	1020.	1080.	980.
90%	970.	970.	1260.	1260.	1380.	1760.	1260.	1340.	1190.
50%	720.	720.	990.	990.	1060.	1120.	1000.	1060.	970.
10%	590.	590.	860.	860.	890.	890.	860.	910.	840.
N	42	42	42	42	42	42	42	42	42
NOV MEAN	640.	640.	1020.	1020.	1110.	1240.	1020.	1080.	980.
90%	940.	940.	1280.	1280.	1470.	1840.	1280.	1370.	1220.
50%	830.	830.	950.	950.	1050.	1120.	1000.	1070.	970.
10%	710.	710.	850.	850.	880.	890.	840.	890.	830.
N	42	42	42	42	42	42	42	42	42
DEC MEAN	1080.	1080.	1000.	1000.	1150.	1310.	1020.	1100.	990.
90%	1370.	1370.	1260.	1260.	1550.	1920.	1380.	1500.	1280.
50%	870.	870.	970.	970.	1070.	1160.	990.	1070.	960.
10%	850.	850.	850.	850.	850.	850.	850.	870.	780.
N	41	41	42	42	42	42	42	42	42

STATION 2

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC2I	SC-4	SC4W	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	C.	C.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	C.	0.	C.	0.	0.	0.
90%	0.	0.	0.	0.	0.	C.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
MAR MEAN	290.	290.	290.	290.	290.	290.	290.	520.	520.
90%	530.	530.	530.	530.	530.	530.	530.	1080.	1080.
50%	240.	240.	240.	240.	240.	240.	240.	280.	280.
10%	150.	150.	150.	150.	150.	150.	150.	160.	160.
N	34	34	34	34	34	34	34	31	31
APR MEAN	340.	340.	340.	340.	340.	340.	340.	480.	480.
90%	550.	550.	550.	550.	550.	550.	550.	1150.	1150.
50%	310.	310.	310.	310.	310.	310.	310.	300.	300.
10%	130.	130.	130.	130.	130.	130.	130.	130.	130.
N	40	40	40	40	40	40	40	30	30
MAY MEAN	470.	470.	470.	470.	470.	470.	470.	570.	570.
90%	590.	590.	590.	590.	590.	590.	590.	930.	930.
50%	510.	510.	510.	510.	510.	510.	510.	550.	550.
10%	260.	260.	260.	260.	260.	260.	260.	210.	210.
N	28	28	28	28	28	28	28	17	17
JUN MEAN	470.	470.	470.	470.	470.	470.	470.	550.	550.
90%	590.	590.	590.	590.	590.	590.	590.	740.	740.
50%	420.	420.	420.	420.	420.	420.	420.	560.	560.
10%	320.	320.	320.	320.	320.	320.	320.	360.	360.
N	16	16	16	16	16	16	16	14	14
JUL MEAN	520.	520.	520.	520.	520.	520.	520.	590.	590.
90%	0.	0.	0.	0.	0.	C.	0.	0.	0.
50%	530.	530.	530.	530.	530.	530.	530.	610.	610.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	7	7	7	7	7	7	7	7	7
AUG MEAN	510.	510.	510.	510.	510.	510.	510.	540.	540.
90%	0.	0.	0.	C.	0.	C.	0.	0.	0.
50%	510.	510.	510.	510.	510.	510.	510.	540.	540.
10%	0.	0.	0.	0.	C.	C.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2
SEP MEAN	540.	540.	540.	540.	540.	540.	540.	630.	630.
90%	0.	0.	0.	0.	0.	C.	0.	0.	0.
50%	550.	550.	550.	550.	550.	550.	550.	640.	640.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	4	4	4	4	4	4	4	4	4
OCT MEAN	560.	560.	560.	560.	560.	560.	560.	670.	670.
90%	0.	0.	0.	0.	0.	C.	0.	0.	0.
50%	580.	580.	580.	580.	580.	580.	580.	710.	710.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	5	5	5	5	5	5	5	5	5
NOV MEAN	830.	830.	830.	830.	830.	830.	830.	830.	830.
90%	0.	0.	0.	0.	0.	C.	0.	0.	0.
50%	830.	830.	830.	830.	830.	830.	830.	830.	830.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	1	1	1	1	1	1	1	1	1
DEC MEAN	0.	0.	0.	0.	0.	C.	0.	0.	0.
90%	0.	0.	0.	0.	0.	C.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0

STATION 3

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO	YEAR	SC-2	SC2I	SC-4	SC4h	SC-8	SCRE	SCPF	SC10	SC10A
JAN	MEAN	1260.	1260.	1000.	1020.	1180.	1380.	1020.	1120.	980.
	90%	1450.	1450.	1270.	1350.	1660.	2190.	1290.	1410.	1280.
	50%	1250.	1250.	280.	1000.	1080.	1220.	1010.	1100.	970.
	10%	1020.	1020.	730.	740.	820.	840.	750.	830.	680.
	N	14	14	42	42	42	42	42	42	42
FEB	MEAN	1130.	1130.	990.	1010.	1160.	1330.	1010.	1100.	970.
	90%	1470.	1470.	1230.	1270.	1680.	2260.	1300.	1430.	1220.
	50%	1170.	1170.	980.	1010.	1070.	1160.	990.	1050.	960.
	10%	670.	670.	740.	750.	840.	850.	750.	830.	690.
	N	22	22	42	42	42	42	42	42	41
MAR	MEAN	540.	540.	680.	750.	680.	690.	680.	720.	710.
	90%	1070.	1070.	990.	1170.	1050.	1070.	1020.	1040.	1020.
	50%	410.	410.	530.	680.	650.	650.	630.	660.	650.
	10%	300.	300.	550.	590.	520.	520.	510.	530.	530.
	N	30	30	30	30	29	29	29	29	29
APR	MEAN	510.	510.	760.	810.	780.	780.	760.	790.	770.
	90%	770.	770.	970.	1020.	1020.	1050.	970.	990.	970.
	50%	490.	490.	780.	840.	820.	830.	760.	800.	780.
	10%	270.	270.	550.	560.	530.	520.	560.	560.	530.
	N	40	40	42	42	42	42	42	42	41
MAY	MEAN	650.	650.	880.	910.	930.	950.	890.	930.	870.
	90%	790.	790.	1060.	1110.	1120.	1180.	1070.	1090.	1030.
	50%	680.	680.	900.	930.	940.	950.	910.	940.	900.
	10%	470.	470.	670.	670.	680.	720.	680.	720.	690.
	N	41	41	42	42	42	42	42	42	41
JUN	MEAN	710.	710.	920.	950.	990.	1030.	940.	980.	910.
	90%	820.	820.	1100.	1130.	1240.	1270.	1110.	1140.	1080.
	50%	750.	750.	900.	920.	930.	980.	920.	950.	890.
	10%	560.	560.	750.	770.	790.	790.	770.	780.	750.
	N	41	41	41	41	41	41	41	41	41
JUL	MEAN	780.	780.	940.	960.	1020.	1050.	940.	990.	910.
	90%	860.	860.	1100.	1130.	1260.	1350.	1130.	1190.	1100.
	50%	790.	790.	930.	970.	980.	980.	920.	950.	890.
	10%	660.	660.	760.	800.	820.	800.	790.	820.	760.
	N	40	40	42	42	42	42	42	42	42
AUG	MEAN	860.	860.	990.	1030.	1090.	1170.	990.	1050.	970.
	90%	1010.	1010.	1270.	1360.	1350.	1550.	1250.	1290.	1200.
	50%	850.	850.	970.	1000.	1030.	1060.	970.	1010.	940.
	10%	770.	770.	810.	830.	850.	830.	810.	850.	780.
	N	37	37	42	42	42	42	42	42	42
SEP	MEAN	830.	830.	1000.	1050.	1080.	1160.	1000.	1060.	990.
	90%	1000.	1000.	1280.	1360.	1260.	1490.	1140.	1270.	1200.
	50%	800.	800.	960.	1010.	1020.	1050.	980.	1030.	950.
	10%	710.	710.	840.	890.	890.	880.	860.	890.	830.
	N	39	39	42	42	41	41	41	42	42
OCT	MEAN	800.	800.	1010.	1040.	1060.	1130.	1010.	1040.	980.
	90%	930.	930.	1220.	1240.	1250.	1350.	1150.	1190.	1120.
	50%	790.	790.	970.	1000.	1010.	1050.	980.	1010.	960.
	10%	690.	690.	900.	930.	900.	920.	890.	910.	890.
	N	41	41	42	42	42	42	42	42	42
NOV	MEAN	880.	880.	1040.	1120.	1110.	1210.	1030.	1090.	1010.
	90%	980.	980.	1220.	1300.	1400.	1590.	1230.	1300.	1180.
	50%	880.	880.	1020.	1120.	1080.	1130.	1040.	1090.	1000.
	10%	760.	760.	880.	920.	910.	920.	890.	920.	870.
	N	42	42	42	42	42	42	42	42	42
DEC	MEAN	1080.	1080.	1000.	1030.	1140.	1300.	1030.	1100.	990.
	90%	1370.	1370.	1200.	1310.	1540.	1910.	1330.	1440.	1210.
	50%	1070.	1070.	990.	1010.	1070.	1160.	1000.	1070.	980.
	10%	870.	870.	820.	830.	870.	880.	810.	880.	790.
	N	42	42	42	42	42	42	42	42	42

STATION 4

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC2 I	SC-4	SC4 W	SC-8	SC8 E	SC8 F	SC10	SC10A
JAN MEAN	760.	760.	760.	760.	760.	760.	760.	700.	700.
90%	0.	0.	0.	0.	C.	C.	0.	0.	0.
50%	780.	780.	780.	780.	780.	780.	780.	690.	690.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	3	3	3	3	3	3	3	8	8
FEB MEAN	710.	710.	710.	710.	710.	710.	710.	730.	730.
90%	0.	0.	0.	0.	0.	C.	0.	950.	950.
50%	730.	730.	730.	730.	730.	730.	730.	720.	720.
10%	0.	0.	0.	0.	0.	C.	0.	560.	570.
N	7	7	7	7	7	7	7	11	11
MAR MEAN	590.	590.	590.	590.	650.	650.	650.	690.	690.
90%	600.	800.	800.	800.	990.	990.	990.	880.	880.
50%	550.	550.	550.	550.	520.	520.	520.	680.	680.
10%	450.	450.	450.	450.	460.	460.	460.	560.	560.
N	37	37	37	37	37	37	37	39	39
APR MEAN	540.	540.	530.	530.	530.	530.	530.	660.	660.
90%	620.	620.	620.	620.	620.	620.	620.	840.	840.
50%	530.	530.	530.	530.	530.	530.	530.	660.	660.
10%	430.	430.	430.	430.	430.	430.	430.	520.	530.
N	42	42	42	42	42	42	42	42	42
MAY MEAN	590.	590.	590.	590.	590.	590.	590.	660.	660.
90%	640.	640.	640.	640.	640.	640.	640.	850.	850.
50%	600.	600.	600.	600.	600.	600.	600.	650.	650.
10%	530.	530.	530.	530.	530.	530.	530.	520.	520.
N	42	42	42	42	42	42	42	42	42
JUN MEAN	630.	630.	630.	630.	630.	630.	630.	660.	660.
90%	720.	720.	720.	720.	720.	720.	720.	850.	850.
50%	630.	630.	630.	630.	630.	630.	630.	660.	660.
10%	530.	530.	530.	530.	530.	530.	530.	520.	530.
N	42	42	42	42	42	42	42	42	42
JUL MEAN	670.	670.	670.	670.	670.	670.	670.	670.	670.
90%	740.	740.	740.	740.	740.	740.	740.	860.	860.
50%	700.	700.	700.	700.	700.	700.	700.	670.	670.
10%	560.	560.	560.	560.	560.	560.	560.	530.	530.
N	33	33	33	33	33	33	33	42	42
AUG MEAN	710.	710.	710.	710.	710.	710.	710.	670.	670.
90%	790.	790.	790.	790.	790.	790.	790.	840.	840.
50%	710.	710.	710.	710.	710.	710.	710.	660.	660.
10%	610.	610.	610.	610.	610.	610.	610.	530.	530.
N	19	19	19	19	19	19	19	37	37
SEP MEAN	720.	720.	720.	720.	720.	720.	720.	690.	690.
90%	810.	810.	810.	810.	810.	810.	810.	870.	870.
50%	720.	720.	720.	720.	720.	720.	720.	680.	680.
10%	610.	610.	610.	610.	610.	610.	610.	530.	540.
N	16	16	16	16	16	16	16	38	38
OCT MEAN	710.	710.	710.	710.	710.	710.	710.	700.	700.
90%	770.	770.	770.	770.	770.	770.	770.	900.	900.
50%	700.	700.	700.	700.	700.	700.	700.	700.	690.
10%	660.	660.	660.	660.	660.	660.	660.	540.	550.
N	35	35	35	35	35	35	35	42	42
NOV MEAN	740.	740.	740.	740.	740.	740.	740.	710.	710.
90%	790.	790.	790.	790.	790.	790.	790.	900.	900.
50%	730.	730.	730.	730.	730.	730.	730.	700.	720.
10%	700.	700.	700.	700.	700.	700.	700.	550.	550.
N	40	40	40	40	40	40	40	42	42
DEC MEAN	770.	770.	770.	770.	770.	770.	770.	700.	700.
90%	810.	810.	810.	810.	810.	810.	810.	880.	880.
50%	780.	780.	780.	780.	780.	780.	780.	690.	690.
10%	700.	700.	700.	700.	700.	700.	700.	550.	550.
N	19	19	19	19	19	19	19	40	40

STATION 5

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC2I	SC-4	SC4W	SC-8	SC8F	SC8F	SC10	SC10A
JAN MEAN	0.	0.	0.	0.	0.	C.	0.	0.	0.
90%	0.	0.	0.	0.	0.	C.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--C.	--0.	--0.	--0.
10%	0.	0.	0.	C.	0.	C.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	C.	0.	0.	0.
90%	0.	0.	0.	0.	C.	C.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--C.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
MAR MEAN	500.	500.	500.	500.	500.	500.	500.	640.	640.
90%	580.	580.	580.	580.	580.	580.	580.	1070.	1070.
50%	490.	490.	490.	490.	490.	490.	490.	560.	560.
10%	430.	430.	430.	430.	430.	430.	430.	450.	450.
N	25	25	25	25	25	25	25	22	22
APR MEAN	490.	490.	490.	490.	490.	490.	490.	620.	620.
90%	550.	550.	550.	550.	550.	550.	550.	1060.	1060.
50%	500.	500.	500.	500.	500.	500.	500.	550.	550.
10%	430.	430.	430.	430.	430.	430.	430.	430.	430.
N	27	27	27	27	27	27	27	23	23
MAY MEAN	530.	530.	530.	530.	530.	530.	530.	600.	600.
90%	560.	560.	560.	560.	560.	560.	560.	660.	660.
50%	540.	540.	540.	540.	540.	540.	540.	610.	610.
10%	500.	500.	500.	500.	500.	500.	500.	520.	520.
N	10	10	10	10	10	10	10	10	10
JUN MEAN	520.	520.	520.	520.	520.	520.	520.	550.	550.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	530.	530.	530.	530.	530.	530.	530.	540.	540.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7	7	7	7
JUL MEAN	550.	550.	550.	550.	550.	550.	550.	550.	550.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	550.	550.	550.	550.	550.	550.	550.	550.	550.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2
AUG MEAN	680.	680.	680.	680.	680.	680.	680.	680.	680.
90%	0.	0.	0.	C.	0.	C.	0.	0.	0.
50%	680.	680.	680.	680.	680.	680.	680.	680.	680.
10%	0.	0.	0.	0.	C.	C.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2
SEP MEAN	590.	590.	590.	590.	590.	590.	590.	590.	590.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	590.	590.	590.	590.	590.	590.	590.	590.	590.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	1	1	1	1	1	1	1	1	1
OCT MEAN	0.	0.	0.	0.	0.	C.	0.	0.	0.
90%	0.	0.	0.	0.	0.	C.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--C.	--0.	--0.	--0.
10%	0.	0.	0.	0.	C.	C.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	C.	0.	0.	0.
90%	0.	0.	0.	0.	0.	C.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--C.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	C.	0.	0.	0.
90%	0.	0.	0.	C.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--C.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0

STATION 6

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC2I	SC-4	SC4W	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
FEB MEAN	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3	3	3	3
MAR MEAN	620.	620.	620.	620.	620.	620.	620.	640.	640.
90%	910.	910.	910.	910.	910.	910.	910.	930.	930.
50%	570.	570.	570.	570.	570.	570.	570.	610.	610.
10%	360.	360.	360.	360.	360.	360.	360.	360.	360.
N	37	37	37	37	37	37	37	37	37
APR MEAN	690.	690.	690.	690.	690.	690.	690.	700.	700.
90%	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.
50%	630.	630.	630.	630.	630.	630.	630.	670.	670.
10%	370.	370.	370.	370.	370.	370.	370.	370.	370.
N	42	42	42	42	42	42	42	42	42
MAY MEAN	950.	950.	950.	950.	950.	950.	950.	950.	950.
90%	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.
50%	570.	570.	570.	570.	570.	570.	570.	570.	570.
10%	640.	640.	640.	640.	640.	640.	640.	650.	650.
N	42	42	42	42	42	42	42	42	42
JUN MEAN	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.
90%	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.
50%	1020.	1020.	1020.	1020.	1020.	1020.	1020.	1020.	1020.
10%	630.	630.	630.	630.	630.	630.	630.	630.	630.
N	40	40	40	40	40	40	40	40	40
JUL MEAN	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.
90%	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.
50%	1410.	1410.	1410.	1410.	1410.	1410.	1410.	1410.	1410.
10%	760.	760.	760.	760.	760.	760.	760.	760.	760.
N	32	32	32	32	32	32	32	32	32
AUG MEAN	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.
90%	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.
50%	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.
10%	880.	880.	880.	880.	880.	880.	880.	880.	880.
N	14	14	14	14	14	14	14	14	14
SEP MEAN	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.
90%	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.
50%	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.
10%	900.	900.	900.	900.	900.	900.	900.	900.	900.
N	11	11	11	11	11	11	11	11	11
OCT MEAN	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.
90%	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.
50%	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.
10%	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.
N	28	28	28	28	28	28	28	28	28
NOV MEAN	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3	3	3	3
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0

STATION 7

SCENARIO SUMMARY LISTING FOR TOS IN UNITS OF MG/L

MO YEAR	SC-2	SC2I	SC-4	SC4h	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	1070.	1060.	1070.	1310.	1070.	1070.	1070.	1250.	1240.
90%	0.	0.	0.	0.	0.	C.	0.	0.	0.
50%	250.	230.	250.	1180.	260.	260.	260.	1370.	1370.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	4	4	4	4	4	4	4	3	3
FEB MEAN	960.	960.	960.	1070.	960.	960.	960.	1000.	1000.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	830.	820.	830.	970.	840.	840.	840.	920.	920.
10%	0.	0.	0.	0.	0.	C.	C.	0.	0.
N	7	7	7	7	7	7	7	5	5
MAR MEAN	550.	550.	550.	550.	610.	610.	610.	610.	610.
90%	760.	760.	760.	770.	870.	870.	870.	760.	760.
50%	510.	510.	510.	510.	540.	540.	540.	610.	610.
10%	380.	380.	380.	380.	390.	390.	350.	490.	490.
N	37	37	37	37	38	38	38	37	37
APR MEAN	530.	530.	530.	530.	530.	530.	530.	590.	590.
90%	690.	690.	690.	690.	690.	690.	690.	750.	750.
50%	520.	520.	520.	520.	520.	520.	520.	590.	590.
10%	380.	380.	380.	380.	380.	380.	380.	440.	440.
N	42	42	42	42	42	42	42	42	42
MAY MEAN	640.	640.	640.	660.	640.	640.	640.	680.	680.
90%	770.	770.	770.	810.	770.	770.	770.	840.	840.
50%	650.	650.	650.	660.	650.	650.	650.	670.	670.
10%	490.	490.	490.	500.	490.	490.	490.	520.	530.
N	42	42	42	42	42	42	42	42	42
JUN MEAN	700.	720.	700.	750.	700.	700.	700.	750.	740.
90%	850.	920.	850.	960.	850.	850.	850.	940.	940.
50%	700.	710.	700.	750.	700.	700.	700.	750.	750.
10%	520.	520.	520.	530.	520.	520.	520.	540.	540.
N	34	38	34	34	33	33	33	33	34
JUL MEAN	630.	690.	630.	690.	640.	640.	640.	660.	660.
90%	0.	880.	0.	0.	0.	C.	0.	0.	0.
50%	660.	660.	660.	710.	670.	670.	670.	590.	590.
10%	0.	500.	0.	0.	0.	0.	0.	0.	0.
N	9	12	9	9	9	9	9	8	8
AUG MEAN	730.	830.	730.	820.	730.	730.	730.	750.	750.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	760.	840.	760.	880.	770.	770.	770.	740.	740.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3	9	3	3	3	3	3	3	3
SEP MEAN	820.	940.	820.	950.	730.	730.	730.	780.	780.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	780.	1010.	780.	870.	730.	730.	730.	780.	780.
10%	0.	0.	0.	0.	0.	C.	0.	0.	0.
N	3	7	3	3	2	2	2	2	2
OCT MEAN	1040.	1040.	1040.	1310.	1040.	1040.	1040.	1090.	1090.
90%	1540.	1600.	1540.	2310.	1500.	1500.	1500.	1460.	1460.
50%	260.	250.	260.	1120.	570.	570.	570.	1010.	1010.
10%	640.	830.	840.	930.	840.	840.	840.	910.	900.
N	42	42	42	42	42	42	42	42	42
NOV MEAN	870.	860.	870.	1060.	920.	920.	920.	940.	940.
90%	990.	970.	990.	1290.	1010.	1010.	1010.	1340.	1340.
50%	870.	860.	870.	1020.	890.	890.	890.	890.	880.
10%	770.	760.	770.	900.	790.	790.	790.	770.	770.
N	40	40	40	40	42	42	42	40	40
DEC MEAN	1170.	1180.	1170.	1470.	1170.	1170.	1170.	1230.	1230.
90%	1630.	1670.	1630.	2040.	1600.	1600.	1600.	1550.	1550.
50%	230.	210.	230.	1280.	250.	250.	250.	1410.	1410.
10%	820.	800.	820.	980.	830.	830.	830.	720.	720.
N	33	33	33	33	33	33	33	27	27

STATION 8

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC2I	SC-4	SC4W	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	1230.	1230.	1130.	1770.	1210.	1290.	1140.	1190.	1130.
90%	1290.	1290.	1260.	2160.	1430.	1660.	1280.	1330.	1270.
50%	1250.	1250.	1120.	1810.	1190.	1230.	1160.	1190.	1140.
10%	1100.	1100.	960.	1120.	1010.	1020.	980.	1020.	960.
N	42	42	42	42	42	42	42	42	42
FEB MEAN	1170.	1170.	1090.	1590.	1170.	1260.	1100.	1150.	1090.
90%	1290.	1300.	1240.	2070.	1460.	1720.	1280.	1330.	1250.
50%	1250.	1250.	1090.	1660.	1150.	1170.	1050.	1130.	1090.
10%	920.	900.	910.	1090.	950.	960.	910.	960.	890.
N	41	37	42	42	42	42	42	42	42
MAR MEAN	520.	520.	570.	610.	580.	580.	580.	620.	620.
90%	740.	740.	790.	850.	810.	810.	810.	800.	800.
50%	480.	480.	530.	550.	530.	530.	530.	610.	610.
10%	370.	370.	440.	460.	420.	420.	430.	490.	490.
N	34	34	30	30	28	28	28	27	27
APR MEAN	530.	530.	600.	620.	600.	600.	600.	630.	620.
90%	720.	720.	770.	790.	770.	770.	760.	770.	780.
50%	510.	510.	580.	610.	590.	590.	580.	610.	600.
10%	330.	330.	440.	440.	440.	430.	440.	480.	470.
N	41	41	42	42	41	41	41	41	41
MAY MEAN	670.	670.	730.	790.	750.	750.	740.	770.	750.
90%	790.	790.	880.	1050.	920.	940.	900.	960.	930.
50%	690.	690.	740.	780.	770.	760.	750.	780.	760.
10%	490.	490.	570.	580.	570.	560.	580.	590.	580.
N	41	41	41	41	41	41	41	41	41
JUN MEAN	730.	730.	800.	900.	830.	830.	810.	840.	820.
90%	890.	880.	970.	1140.	1110.	1120.	1040.	1110.	1040.
50%	750.	750.	820.	880.	830.	810.	820.	860.	820.
10%	550.	550.	570.	590.	570.	570.	570.	590.	590.
N	36	37	37	37	37	37	37	36	36
JUL MEAN	790.	780.	820.	940.	840.	850.	820.	850.	820.
90%	980.	980.	1020.	1350.	1020.	1050.	1010.	1030.	990.
50%	780.	770.	840.	910.	870.	880.	860.	900.	850.
10%	540.	540.	580.	620.	590.	600.	580.	630.	610.
N	22	22	23	23	22	22	22	24	23
AUG MEAN	950.	950.	1020.	1400.	1010.	1030.	990.	1050.	1010.
90%	1080.	1080.	1180.	1920.	1150.	1180.	1110.	1230.	1140.
50%	960.	970.	1010.	1330.	980.	1010.	970.	1050.	1000.
10%	730.	730.	890.	1080.	880.	870.	870.	910.	890.
N	13	14	20	20	12	12	12	20	19
SEP MEAN	950.	950.	1040.	1470.	1060.	1080.	1040.	1070.	1030.
90%	1130.	1130.	1190.	1950.	1190.	1270.	1150.	1210.	1140.
50%	930.	930.	1060.	1450.	1090.	1090.	1070.	1090.	1050.
10%	800.	800.	890.	990.	910.	920.	900.	900.	890.
N	26	26	26	26	24	24	24	26	26
OCT MEAN	910.	910.	1010.	1390.	1030.	1060.	1010.	1040.	1020.
90%	1050.	1050.	1190.	1680.	1220.	1280.	1140.	1180.	1150.
50%	900.	890.	1000.	1240.	1030.	1040.	1010.	1060.	1030.
10%	770.	770.	860.	980.	900.	930.	870.	880.	870.
N	42	42	42	42	42	42	42	42	42
NOV MEAN	970.	960.	1020.	1360.	1050.	1090.	1030.	1060.	1030.
90%	1080.	1080.	1160.	1880.	1260.	1420.	1150.	1230.	1200.
50%	960.	960.	1050.	1250.	1060.	1090.	1030.	1060.	1050.
10%	830.	830.	890.	970.	920.	920.	910.	910.	900.
N	42	42	42	42	42	42	42	42	42
DEC MEAN	1140.	1140.	1110.	1580.	1160.	1220.	1120.	1150.	1110.
90%	1300.	1300.	1290.	2130.	1390.	1480.	1280.	1340.	1250.
50%	1150.	1150.	1100.	1620.	1110.	1150.	1110.	1150.	1110.
10%	950.	950.	980.	1050.	1000.	990.	980.	990.	980.
N	42	42	42	42	42	42	42	42	42

STATION 9

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC21	SC-4	SC4h	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
MAR MEAN	730.	730.	670.	670.	710.	710.	710.	680.	680.
90%	2260.	2260.	1190.	1190.	1190.	1190.	1190.	1190.	1190.
50%	460.	460.	560.	560.	660.	660.	660.	570.	570.
10%	310.	310.	320.	320.	330.	330.	330.	320.	320.
N	22	22	27	27	27	27	27	27	27
APR MEAN	490.	490.	420.	420.	420.	420.	420.	690.	690.
90%	660.	660.	630.	630.	630.	630.	630.	1260.	1260.
50%	470.	470.	410.	410.	410.	410.	410.	520.	520.
10%	250.	250.	240.	240.	240.	240.	240.	250.	250.
N	32	32	35	35	35	35	35	35	35
MAY MEAN	640.	640.	640.	640.	640.	640.	640.	760.	760.
90%	780.	780.	780.	780.	780.	780.	780.	1070.	1070.
50%	680.	680.	680.	680.	680.	680.	680.	740.	740.
10%	470.	470.	470.	470.	470.	470.	470.	490.	490.
N	28	28	28	28	28	28	28	21	21
JUN MEAN	600.	600.	610.	610.	610.	610.	610.	680.	680.
90%	740.	740.	750.	750.	750.	750.	750.	970.	970.
50%	640.	640.	640.	640.	640.	640.	640.	720.	720.
10%	400.	400.	400.	400.	400.	400.	400.	400.	400.
N	20	20	21	21	21	21	21	20	20
JUL MEAN	680.	680.	680.	680.	680.	680.	680.	740.	740.
90%	780.	780.	780.	780.	780.	780.	780.	920.	920.
50%	680.	680.	680.	680.	680.	680.	680.	740.	740.
10%	500.	500.	500.	500.	500.	500.	500.	510.	510.
N	12	12	12	12	12	12	12	12	12
AUG MEAN	670.	670.	670.	670.	670.	670.	670.	740.	740.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	670.	670.	670.	670.	670.	670.	670.	720.	720.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	6	6	6	6	6	6	6	6	6
SEP MEAN	670.	670.	670.	670.	670.	670.	670.	670.	670.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	650.	650.	650.	650.	650.	650.	650.	650.	650.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	4	4	4	4	4	4	4	4	4
OCT MEAN	750.	750.	750.	750.	750.	750.	750.	900.	900.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	750.	750.	750.	750.	750.	750.	750.	900.	900.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	1	1
NOV MEAN	720.	720.	720.	720.	720.	720.	720.	810.	810.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	720.	720.	720.	720.	720.	720.	720.	810.	810.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0

STATION 10

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC2I	SC-4	SC4W	SC-8	SC8E	SCRF	SC10	SC10A
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
MAR MEAN	390.	390.	390.	390.	390.	390.	390.	490.	490.
90%	500.	500.	500.	500.	500.	500.	500.	850.	850.
50%	380.	380.	380.	380.	380.	380.	380.	420.	420.
10%	290.	290.	290.	290.	290.	290.	290.	300.	300.
N	24	24	24	24	24	24	24	23	23
APR MEAN	360.	360.	360.	360.	360.	360.	360.	470.	470.
90%	520.	520.	520.	520.	520.	520.	520.	920.	920.
50%	350.	350.	350.	350.	350.	350.	350.	400.	400.
10%	230.	230.	230.	230.	230.	230.	230.	230.	230.
N	26	26	26	26	26	26	26	23	23
MAY MEAN	510.	510.	510.	510.	510.	510.	510.	540.	540.
90%	550.	550.	550.	550.	550.	550.	550.	600.	600.
50%	530.	530.	530.	530.	530.	530.	530.	560.	560.
10%	440.	440.	440.	440.	440.	440.	440.	450.	450.
N	10	10	10	10	10	10	10	10	10
JUN MEAN	470.	470.	470.	470.	470.	470.	470.	490.	490.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	480.	480.	480.	480.	480.	480.	480.	490.	490.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7	7	7	7
JUL MEAN	500.	500.	500.	500.	500.	500.	500.	500.	500.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	500.	500.	500.	500.	500.	500.	500.	500.	500.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2
AUG MEAN	510.	510.	510.	510.	510.	510.	510.	510.	510.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	510.	510.	510.	510.	510.	510.	510.	510.	510.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1	1	1	1
SEP MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
OCT MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0

STATION 11

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC21	SC-4	SC4h	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	800.	800.	800.	1760.	800.	800.	800.	800.	800.
90%	800.	800.	800.	1760.	800.	800.	800.	800.	800.
50%	800.	800.	800.	1760.	800.	800.	800.	800.	800.
10%	800.	800.	800.	1760.	800.	800.	800.	800.	800.
N	25	25	25	25	28	28	28	25	25
FEB MEAN	790.	790.	790.	1650.	790.	790.	790.	790.	790.
90%	800.	800.	800.	1760.	800.	800.	800.	800.	800.
50%	800.	800.	800.	1760.	800.	800.	800.	800.	800.
10%	780.	780.	780.	880.	780.	780.	780.	780.	780.
N	20	20	20	20	20	20	20	20	20
MAR MEAN	440.	440.	440.	450.	440.	440.	440.	440.	440.
90%	520.	520.	520.	530.	520.	520.	520.	520.	520.
50%	450.	450.	450.	460.	470.	470.	470.	450.	450.
10%	310.	310.	310.	310.	320.	320.	320.	310.	310.
N	41	41	41	41	41	41	41	41	41
APR MEAN	430.	430.	430.	430.	430.	430.	430.	440.	440.
90%	530.	530.	530.	540.	530.	530.	530.	530.	530.
50%	460.	460.	450.	450.	450.	450.	450.	480.	480.
10%	270.	270.	270.	270.	270.	270.	270.	270.	270.
N	42	42	42	42	42	42	42	42	42
MAY MEAN	610.	610.	610.	630.	610.	610.	610.	610.	610.
90%	760.	760.	760.	800.	760.	760.	760.	760.	760.
50%	620.	620.	620.	630.	620.	620.	620.	620.	620.
10%	430.	430.	430.	430.	430.	430.	430.	430.	430.
N	42	42	42	42	42	42	42	42	42
JUN MEAN	660.	660.	660.	690.	660.	660.	660.	660.	660.
90%	800.	800.	800.	870.	800.	800.	800.	800.	800.
50%	680.	680.	680.	710.	690.	690.	690.	690.	690.
10%	470.	470.	470.	470.	470.	470.	470.	470.	470.
N	42	42	42	42	42	42	42	42	42
JUL MEAN	730.	730.	730.	810.	700.	700.	700.	730.	730.
90%	760.	760.	760.	850.	760.	760.	760.	760.	760.
50%	740.	740.	740.	830.	720.	720.	720.	750.	750.
10%	690.	690.	690.	750.	570.	570.	570.	690.	690.
N	41	42	41	41	13	13	13	41	41
AUG MEAN	780.	810.	780.	920.	750.	750.	750.	790.	790.
90%	850.	850.	850.	1040.	0.	0.	0.	850.	850.
50%	810.	830.	810.	950.	770.	770.	770.	810.	810.
10%	630.	770.	630.	700.	0.	0.	0.	640.	640.
N	15	40	15	15	6	6	6	15	15
SEP MEAN	800.	800.	800.	1070.	740.	740.	740.	800.	800.
90%	900.	900.	900.	1760.	0.	0.	0.	900.	900.
50%	820.	810.	820.	960.	770.	770.	770.	820.	820.
10%	630.	640.	630.	670.	0.	0.	0.	630.	630.
N	17	19	17	17	7	7	7	17	17
OCT MEAN	810.	820.	810.	1130.	810.	810.	810.	810.	810.
90%	900.	900.	900.	1760.	890.	890.	890.	900.	900.
50%	800.	800.	800.	940.	800.	800.	800.	800.	800.
10%	750.	750.	750.	780.	750.	750.	750.	750.	750.
N	42	42	42	42	42	42	42	42	42
NOV MEAN	820.	820.	820.	1360.	820.	820.	820.	820.	820.
90%	880.	880.	880.	1760.	880.	880.	880.	880.	880.
50%	800.	800.	800.	1760.	800.	800.	800.	800.	800.
10%	800.	800.	800.	840.	800.	800.	800.	800.	800.
N	40	40	40	40	42	42	42	40	40
DEC MEAN	810.	810.	810.	1690.	810.	810.	810.	810.	810.
90%	800.	800.	800.	1760.	800.	800.	800.	800.	800.
50%	800.	800.	800.	1760.	800.	800.	800.	800.	800.
10%	800.	800.	800.	1760.	800.	800.	800.	800.	800.
N	39	39	39	39	41	41	41	39	39

STATION 12

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC2I	SC-4	SC4W	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	1230.	1230.	1160.	1820.	0.	0.	0.	1200.	1170.
90%	1310.	1310.	1290.	2050.	0.	0.	0.	1340.	1310.
50%	1240.	1240.	1170.	1870.	0.	0.	0.	1190.	1170.
10%	1130.	1130.	1030.	1500.	0.	0.	0.	1080.	1020.
N	42	42	42	42	0	0	0	42	42
FEB MEAN	1210.	1210.	1140.	1670.	0.	C.	0.	1180.	1150.
90%	1320.	1360.	1280.	2030.	0.	C.	0.	1340.	1280.
50%	1280.	1280.	1190.	1720.	0.	0.	0.	1210.	1180.
10%	930.	930.	920.	1130.	C.	C.	0.	940.	900.
N	42	42	42	42	0	0	0	42	42
MAR MEAN	500.	500.	520.	540.	380.	380.	380.	520.	520.
90%	710.	710.	710.	740.	0.	0.	0.	710.	710.
50%	470.	470.	490.	520.	380.	380.	380.	500.	500.
10%	340.	340.	370.	370.	0.	C.	0.	370.	370.
N	35	35	35	35	7	7	7	35	35
APR MEAN	510.	510.	540.	550.	480.	470.	480.	550.	550.
90%	660.	660.	680.	700.	670.	670.	670.	700.	690.
50%	510.	510.	520.	530.	440.	440.	440.	540.	540.
10%	310.	310.	360.	360.	310.	310.	330.	380.	370.
N	42	42	42	42	23	23	23	42	42
MAY MEAN	690.	690.	720.	750.	700.	700.	700.	730.	730.
90%	880.	870.	920.	990.	910.	910.	900.	940.	930.
50%	700.	700.	730.	750.	680.	680.	680.	760.	740.
10%	490.	490.	520.	540.	510.	500.	510.	540.	530.
N	42	42	42	42	23	23	24	42	42
JUN MEAN	790.	780.	810.	910.	790.	790.	790.	830.	820.
90%	1130.	1070.	1140.	1550.	1130.	1140.	1130.	1150.	1150.
50%	790.	780.	810.	850.	760.	770.	760.	830.	820.
10%	520.	520.	540.	550.	470.	470.	470.	540.	540.
N	41	41	41	41	28	28	28	41	41
JUL MEAN	960.	930.	960.	1130.	1000.	1000.	1000.	970.	970.
90%	1220.	1180.	1220.	1720.	1380.	1380.	1380.	1220.	1220.
50%	1020.	990.	1020.	1030.	990.	1000.	990.	1030.	1020.
10%	590.	580.	610.	620.	620.	670.	610.	620.	610.
N	37	38	37	37	28	28	28	37	37
AUG MEAN	1230.	1160.	1210.	1560.	1240.	1240.	1240.	1220.	1220.
90%	1380.	1300.	1380.	2020.	1380.	1380.	1380.	1380.	1380.
50%	1280.	1230.	1250.	1760.	1320.	1320.	1320.	1260.	1260.
10%	990.	910.	1010.	1080.	1010.	1030.	1010.	1020.	1010.
N	33	34	33	33	27	27	27	33	33
SEP MEAN	1200.	1190.	1200.	1660.	1220.	1220.	1210.	1210.	1200.
90%	1370.	1360.	1370.	2000.	1360.	1360.	1360.	1370.	1370.
50%	1250.	1220.	1230.	1770.	1250.	1250.	1250.	1240.	1230.
10%	860.	850.	880.	1100.	1040.	1050.	1040.	880.	880.
N	38	38	38	38	29	29	29	38	38
OCT MEAN	980.	980.	1040.	1370.	0.	C.	0.	1060.	1050.
90%	1140.	1140.	1160.	1750.	0.	C.	0.	1180.	1180.
50%	1010.	1000.	1070.	1430.	0.	0.	0.	1090.	1080.
10%	800.	800.	830.	910.	0.	C.	0.	840.	830.
N	42	42	42	42	0	0	0	42	42
NOV MEAN	1010.	1010.	1040.	1370.	0.	C.	0.	1060.	1050.
90%	1160.	1160.	1210.	1900.	0.	C.	0.	1220.	1210.
50%	1010.	1010.	1030.	1370.	0.	0.	0.	1050.	1040.
10%	860.	860.	890.	950.	0.	0.	0.	890.	890.
N	42	42	42	42	0	0	0	42	42
DEC MEAN	1150.	1150.	1140.	1670.	0.	C.	0.	1160.	1140.
90%	1250.	1250.	1270.	2040.	0.	0.	0.	1290.	1260.
50%	1190.	1190.	1160.	1760.	0.	0.	0.	1180.	1160.
10%	970.	970.	990.	1050.	0.	0.	0.	990.	990.
N	42	42	42	42	0	0	0	42	42

ATTACHMENT 2

Predicted TDS Concentrations in the Poplar River Basin

c. For the various mitigation measures examined where

M=mitigation as proposed by Operations Committee

N=ash lagoon seepage contains 20% less salts and
boron than suggested by Operations Committee and

NM=ash lagoon seepage to reservoir reduced by 50%
and seepage to river eliminated.

STATION 1

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO	YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN	MEAN	1450.	990.	1190.	1180.	1030.	1280.	1290.	1310.	1240.	940.	1190.	1210.
	90%	1780.	1270.	1670.	1650.	1370.	1650.	1660.	1700.	1600.	1210.	1560.	1570.
	50%	1470.	980.	1080.	1100.	1020.	1210.	1230.	1250.	1180.	930.	1130.	1150.
	10%	1160.	770.	810.	820.	770.	890.	900.	920.	870.	680.	820.	830.
	N	28	42	42	42	42	42	42	42	42	42	42	42
FEB	MEAN	1230.	990.	1180.	1170.	1030.	1260.	1270.	1290.	1230.	950.	1180.	1190.
	90%	1620.	1230.	1680.	1640.	1270.	1660.	1650.	1710.	1610.	1190.	1550.	1540.
	50%	1220.	970.	1070.	1020.	1020.	1160.	1120.	1200.	1130.	940.	1020.	1120.
	10%	730.	740.	830.	840.	790.	900.	910.	930.	880.	700.	830.	840.
	N	28	42	42	42	42	42	42	42	42	42	42	42
MAR	MEAN	360.	930.	1020.	1030.	950.	1060.	1070.	1080.	1040.	910.	1020.	1030.
	90%	680.	1090.	1190.	1210.	1100.	1260.	1260.	1280.	1250.	1050.	1220.	1230.
	50%	250.	930.	920.	920.	950.	1040.	1040.	1050.	1020.	910.	950.	1000.
	10%	150.	770.	850.	850.	790.	880.	890.	890.	870.	770.	840.	860.
	N	27	42	42	42	42	42	42	42	42	42	42	42
APR	MEAN	470.	850.	930.	930.	850.	960.	960.	970.	950.	830.	940.	940.
	90%	610.	1040.	1150.	1100.	1050.	1200.	1110.	1220.	1190.	1030.	1180.	1080.
	50%	340.	880.	940.	970.	820.	1020.	1000.	1010.	920.	860.	970.	970.
	10%	130.	590.	650.	670.	600.	720.	760.	730.	700.	580.	700.	740.
	N	41	42	42	42	42	42	42	42	42	42	42	42
MAY	MEAN	550.	890.	970.	980.	900.	1010.	1010.	1020.	990.	870.	980.	980.
	90%	690.	1090.	1230.	1230.	1070.	1230.	1220.	1250.	1220.	1040.	1200.	1190.
	50%	260.	920.	940.	980.	920.	1010.	1020.	1020.	1000.	890.	980.	980.
	10%	330.	660.	690.	780.	690.	870.	810.	810.	790.	670.	780.	780.
	N	42	42	42	42	42	42	42	42	42	42	42	42
JUN	MEAN	620.	920.	1030.	1060.	920.	1050.	1060.	1060.	1030.	890.	1010.	1020.
	90%	730.	1100.	1470.	1310.	1090.	1250.	1250.	1270.	1230.	1050.	1210.	1210.
	50%	440.	910.	960.	1030.	920.	1020.	1040.	1040.	1010.	880.	950.	1000.
	10%	430.	770.	790.	810.	780.	820.	820.	830.	810.	750.	790.	790.
	N	42	42	42	42	42	42	42	42	42	42	42	42
JUL	MEAN	720.	940.	1070.	1050.	920.	1080.	1090.	1100.	1060.	890.	1050.	1060.
	90%	920.	1210.	1360.	1330.	1130.	1360.	1370.	1390.	1340.	1100.	1320.	1330.
	50%	680.	920.	1020.	1010.	920.	1050.	1070.	1070.	1040.	880.	1020.	1040.
	10%	550.	720.	790.	780.	740.	810.	820.	820.	800.	710.	780.	790.
	N	42	42	42	42	42	42	42	42	42	42	42	42
AUG	MEAN	820.	970.	1090.	1110.	950.	1130.	1150.	1150.	1110.	910.	1100.	1110.
	90%	1080.	1290.	1380.	1570.	1170.	1400.	1420.	1430.	1380.	1140.	1370.	1380.
	50%	770.	950.	1040.	1080.	930.	1080.	1100.	1100.	1070.	900.	1050.	1060.
	10%	660.	760.	790.	810.	760.	830.	840.	840.	820.	730.	800.	810.
	N	42	42	42	42	42	42	42	42	42	42	42	42
SEP	MEAN	770.	990.	1110.	1100.	980.	1140.	1150.	1160.	1120.	940.	1100.	1110.
	90%	1000.	1280.	1380.	1380.	1190.	1410.	1420.	1440.	1390.	1140.	1370.	1370.
	50%	720.	960.	1060.	1070.	970.	1110.	1120.	1130.	1090.	920.	1060.	1080.
	10%	620.	790.	840.	850.	820.	870.	880.	880.	860.	780.	830.	840.
	N	42	42	42	42	42	42	42	42	42	42	42	42
OCT	MEAN	740.	1030.	1110.	1110.	1010.	1140.	1140.	1160.	1120.	960.	1090.	1090.
	90%	970.	1260.	1390.	1370.	1200.	1410.	1400.	1440.	1390.	1140.	1350.	1350.
	50%	700.	920.	1060.	1090.	1000.	1110.	1120.	1130.	1090.	950.	1060.	1070.
	10%	590.	860.	890.	890.	880.	930.	930.	940.	910.	830.	880.	880.
	N	42	42	42	42	42	42	42	42	42	42	42	42
NOV	MEAN	840.	1020.	1110.	1110.	1020.	1160.	1160.	1180.	1140.	960.	1110.	1110.
	90%	940.	1280.	1470.	1410.	1220.	1510.	1460.	1540.	1480.	1160.	1440.	1400.
	50%	830.	920.	1050.	1070.	1000.	1130.	1140.	1150.	1100.	950.	1070.	1080.
	10%	710.	850.	880.	880.	880.	930.	930.	940.	910.	820.	870.	880.
	N	42	42	42	42	42	42	42	42	42	42	42	42
DEC	MEAN	1080.	1000.	1150.	1140.	1030.	1210.	1220.	1240.	1180.	960.	1140.	1150.
	90%	1370.	1260.	1550.	1500.	1280.	1580.	1580.	1620.	1550.	1200.	1510.	1510.
	50%	1070.	970.	1070.	1100.	1010.	1180.	1190.	1210.	1150.	940.	1100.	1110.
	10%	850.	800.	850.	860.	850.	920.	920.	940.	900.	780.	850.	860.
	N	41	42	42	42	42	42	42	42	42	42	42	42

STATION 2

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	290.	290.	290.	520.	290.	290.	520.	290.	290.	290.	290.	520.
90%	530.	530.	530.	1080.	530.	530.	1080.	530.	530.	530.	530.	1080.
50%	240.	240.	240.	280.	240.	240.	280.	240.	240.	240.	240.	280.
10%	150.	150.	150.	160.	150.	150.	160.	150.	150.	150.	150.	160.
N	34	34	34	31	34	34	31	34	34	34	34	31
APR MEAN	340.	340.	340.	480.	340.	340.	480.	340.	340.	340.	340.	480.
90%	550.	550.	550.	1150.	550.	550.	1150.	550.	550.	550.	550.	1150.
50%	330.	330.	330.	300.	330.	330.	300.	330.	330.	330.	330.	300.
10%	130.	130.	130.	130.	130.	130.	130.	130.	130.	130.	130.	130.
N	40	40	40	30	40	40	30	40	40	40	40	30
MAY MEAN	470.	470.	470.	570.	470.	470.	570.	470.	470.	470.	470.	570.
90%	590.	590.	590.	930.	590.	590.	930.	590.	590.	590.	590.	930.
50%	510.	510.	510.	550.	510.	510.	550.	510.	510.	510.	510.	550.
10%	260.	260.	260.	210.	260.	260.	210.	260.	260.	260.	260.	210.
N	28	28	28	17	28	28	17	28	28	28	28	17
JUN MEAN	470.	470.	470.	550.	470.	470.	550.	470.	470.	470.	470.	550.
90%	590.	590.	590.	740.	590.	590.	740.	590.	590.	590.	590.	740.
50%	490.	490.	490.	560.	490.	490.	560.	490.	490.	490.	490.	560.
10%	320.	320.	320.	360.	320.	320.	360.	320.	320.	320.	320.	360.
N	16	16	16	14	16	16	14	16	16	16	16	14
JUL MEAN	520.	520.	520.	590.	520.	520.	590.	520.	520.	520.	520.	590.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	530.	530.	530.	610.	530.	530.	610.	530.	530.	530.	530.	610.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7	7	7	7	7	7	7
AUG MEAN	510.	510.	510.	540.	510.	510.	540.	510.	510.	510.	510.	540.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	510.	510.	510.	540.	510.	510.	540.	510.	510.	510.	510.	540.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2
SEP MEAN	540.	540.	540.	630.	540.	540.	630.	540.	540.	540.	540.	630.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	550.	550.	550.	640.	550.	550.	640.	550.	550.	550.	550.	640.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	4	4	4	4	4	4	4	4	4	4	4	4
OCT MEAN	560.	560.	560.	670.	560.	560.	670.	560.	560.	560.	560.	670.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	580.	580.	580.	710.	580.	580.	710.	580.	580.	580.	580.	710.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	5	5	5	5	5	5	5	5	5	5	5	5
NOV MEAN	830.	830.	830.	830.	830.	830.	830.	830.	830.	830.	830.	830.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	830.	830.	830.	830.	830.	830.	830.	830.	830.	830.	830.	830.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1	1	1	1	1	1	1
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0

MO	YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN	MEAN	1260.	1000.	1180.	1180.	1030.	1270.	1280.	1300.	1230.	950.	1190.	1200.
	90%	1450.	1270.	1660.	1630.	1280.	1640.	1630.	1690.	1590.	1210.	1550.	1550.
	50%	1250.	980.	1090.	1110.	1020.	1210.	1230.	1250.	1180.	950.	1130.	1150.
	10%	1020.	730.	820.	840.	780.	900.	920.	930.	880.	690.	830.	850.
	N	14	42	42	42	42	42	42	42	42	42	42	42
FEB	MEAN	1130.	990.	1160.	1160.	1020.	1230.	1220.	1260.	1190.	940.	1150.	1150.
	90%	1470.	1230.	1680.	1630.	1240.	1650.	1630.	1700.	1600.	1160.	1550.	1520.
	50%	1170.	980.	1070.	1080.	1020.	1160.	1180.	1200.	1120.	950.	1080.	1070.
	10%	670.	740.	840.	850.	790.	900.	910.	910.	880.	710.	840.	840.
	N	22	42	42	42	41	41	40	41	41	41	41	39
MAR	MEAN	540.	680.	690.	700.	690.	690.	710.	690.	690.	680.	690.	710.
	90%	1070.	990.	1050.	890.	1030.	1100.	910.	1110.	1090.	1000.	1070.	900.
	50%	410.	630.	650.	660.	640.	650.	660.	650.	650.	640.	650.	660.
	10%	300.	550.	520.	520.	570.	540.	580.	540.	540.	570.	550.	580.
	N	30	30	29	27	30	29	27	29	29	30	29	27
APP	MEAN	510.	760.	780.	800.	760.	800.	810.	800.	790.	750.	790.	800.
	90%	770.	970.	1020.	1010.	970.	1020.	1010.	1030.	1020.	960.	1010.	1000.
	50%	420.	780.	820.	790.	760.	820.	800.	830.	810.	750.	810.	790.
	10%	270.	550.	530.	550.	550.	580.	560.	590.	580.	540.	580.	560.
	N	40	42	42	41	42	41	40	41	41	42	41	40
MAY	MEAN	650.	880.	930.	940.	880.	940.	960.	950.	930.	870.	920.	940.
	90%	790.	1060.	1120.	1120.	1050.	1120.	1140.	1130.	1110.	1020.	1100.	1120.
	50%	480.	720.	740.	740.	720.	750.	760.	750.	740.	680.	730.	750.
	10%	470.	670.	680.	710.	670.	740.	760.	750.	730.	660.	730.	750.
	N	41	42	42	41	42	41	41	41	41	42	41	41
JUN	MEAN	710.	920.	990.	1010.	920.	1000.	1000.	1010.	990.	900.	960.	980.
	90%	820.	1100.	1240.	1210.	1090.	1190.	1170.	1210.	1180.	1060.	1130.	1140.
	50%	720.	720.	730.	710.	590.	760.	780.	770.	750.	680.	730.	760.
	10%	560.	750.	790.	830.	760.	790.	800.	800.	790.	740.	770.	780.
	N	41	41	41	40	41	41	40	41	41	41	40	40
JUL	MEAN	780.	940.	1020.	1010.	920.	1040.	1040.	1050.	1020.	900.	1010.	1020.
	90%	860.	1100.	1260.	1260.	1090.	1270.	1270.	1290.	1260.	1070.	1240.	1250.
	50%	720.	740.	780.	790.	710.	1020.	1030.	1010.	990.	880.	980.	1000.
	10%	660.	760.	820.	840.	790.	840.	850.	830.	830.	770.	820.	840.
	N	40	42	42	41	42	42	41	42	42	42	42	41
AUG	MEAN	860.	990.	1090.	1100.	980.	1120.	1120.	1140.	1110.	950.	1090.	1090.
	90%	1010.	1270.	1350.	1330.	1190.	1360.	1360.	1370.	1340.	1160.	1320.	1330.
	50%	650.	770.	1030.	1080.	960.	1060.	1070.	1070.	1050.	930.	1040.	1050.
	10%	770.	810.	850.	890.	820.	860.	870.	870.	850.	800.	840.	860.
	N	37	42	42	40	42	42	40	42	42	42	42	40
SEP	MEAN	830.	1000.	1080.	1080.	1000.	1100.	1100.	1110.	1090.	970.	1070.	1070.
	90%	1000.	1280.	1260.	1260.	1190.	1330.	1340.	1350.	1300.	1150.	1290.	1310.
	50%	800.	960.	1020.	1030.	970.	1040.	1070.	1060.	1030.	950.	1020.	1050.
	10%	710.	840.	890.	910.	870.	910.	930.	920.	900.	840.	880.	900.
	N	39	42	41	41	42	41	40	41	41	42	41	40
OCT	MEAN	600.	1010.	1060.	1070.	1000.	1080.	1080.	1090.	1070.	970.	1040.	1050.
	90%	930.	1220.	1250.	1220.	1120.	1260.	1220.	1280.	1240.	1090.	1190.	1190.
	50%	790.	970.	1010.	1040.	970.	1030.	1040.	1040.	1020.	950.	1000.	1020.
	10%	690.	900.	900.	920.	890.	920.	940.	930.	910.	870.	900.	910.
	N	41	42	42	42	42	42	41	42	42	42	41	41
NOV	MEAN	880.	1040.	1110.	1120.	1030.	1150.	1160.	1170.	1130.	990.	1110.	1110.
	90%	980.	1220.	1400.	1360.	1170.	1440.	1350.	1460.	1420.	1140.	1390.	1320.
	50%	880.	1020.	1080.	1090.	1030.	1130.	1130.	1140.	1110.	980.	1080.	1090.
	10%	760.	880.	910.	920.	910.	950.	960.	960.	930.	870.	910.	920.
	N	42	42	42	42	42	42	42	42	42	42	42	42
DEC	MEAN	1080.	1000.	1140.	1140.	1030.	1200.	1210.	1230.	1170.	960.	1140.	1150.
	90%	1370.	1200.	1540.	1470.	1270.	1460.	1460.	1500.	1430.	1170.	1400.	1400.
	50%	1070.	970.	1070.	1100.	1030.	1170.	1180.	1190.	1140.	960.	1100.	1120.
	10%	870.	820.	870.	880.	870.	950.	960.	970.	920.	790.	880.	900.
	N	42	42	42	42	42	42	42	42	42	42	42	42

STATION 4

SCENARIO SUMMARY LISTING FOR TOS IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	760.	760.	760.	710.	760.	760.	700.	760.	760.	760.	760.	700.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	780.	780.	780.	690.	780.	780.	690.	780.	780.	780.	780.	690.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3	3	3	8	3	3	8	3	3	3	3	8
FEB MEAN	710.	710.	710.	730.	710.	710.	730.	710.	710.	710.	710.	730.
90%	0.	0.	0.	950.	0.	0.	950.	0.	0.	0.	0.	950.
50%	730.	730.	730.	720.	730.	730.	720.	730.	730.	730.	730.	720.
10%	0.	0.	0.	560.	0.	0.	560.	0.	0.	0.	0.	560.
N	7	7	7	11	7	7	11	7	7	7	7	11
MAR MEAN	590.	590.	650.	700.	590.	650.	690.	650.	650.	590.	650.	690.
90%	800.	800.	990.	880.	800.	990.	890.	990.	990.	800.	990.	890.
50%	550.	550.	590.	680.	550.	590.	680.	590.	590.	550.	590.	680.
10%	450.	450.	460.	560.	450.	460.	560.	460.	460.	450.	460.	560.
N	37	37	37	39	37	37	39	37	37	37	37	39
APR MEAN	540.	530.	530.	670.	530.	530.	660.	530.	530.	530.	530.	660.
90%	620.	620.	620.	840.	620.	620.	840.	620.	620.	620.	620.	840.
50%	530.	530.	530.	660.	530.	530.	650.	530.	530.	530.	530.	650.
10%	430.	430.	430.	520.	430.	430.	530.	430.	430.	430.	430.	530.
N	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	590.	590.	590.	660.	590.	590.	660.	590.	590.	590.	590.	660.
90%	640.	640.	640.	850.	640.	640.	850.	640.	640.	640.	640.	850.
50%	600.	600.	600.	650.	600.	600.	650.	600.	600.	600.	600.	650.
10%	530.	530.	530.	510.	530.	530.	520.	530.	530.	530.	530.	520.
N	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	630.	630.	630.	660.	630.	630.	660.	630.	630.	630.	630.	660.
90%	720.	720.	720.	850.	720.	720.	850.	720.	720.	720.	720.	850.
50%	630.	630.	630.	660.	630.	630.	660.	630.	630.	630.	630.	660.
10%	530.	530.	530.	520.	530.	530.	520.	530.	530.	530.	530.	520.
N	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.
90%	740.	740.	740.	860.	740.	740.	860.	740.	740.	740.	740.	860.
50%	700.	700.	700.	670.	700.	700.	670.	700.	700.	700.	700.	670.
10%	560.	560.	560.	530.	560.	560.	530.	560.	560.	560.	560.	530.
N	33	33	33	42	33	33	42	33	33	33	33	42
AUG MEAN	710.	710.	710.	670.	710.	710.	670.	710.	710.	710.	710.	670.
90%	790.	790.	790.	840.	790.	790.	840.	790.	790.	790.	790.	840.
50%	710.	710.	710.	670.	710.	710.	670.	710.	710.	710.	710.	670.
10%	610.	610.	610.	520.	610.	610.	530.	610.	610.	610.	610.	530.
N	19	19	19	37	19	19	37	19	19	19	19	37
SEP MEAN	720.	720.	720.	690.	720.	720.	690.	720.	720.	720.	720.	690.
90%	810.	810.	810.	870.	810.	810.	880.	810.	810.	810.	810.	880.
50%	720.	720.	720.	680.	720.	720.	680.	720.	720.	720.	720.	680.
10%	610.	610.	610.	530.	610.	610.	530.	610.	610.	610.	610.	530.
N	16	16	16	38	16	16	38	16	16	16	16	38
OCT MEAN	710.	710.	710.	710.	710.	710.	700.	710.	710.	710.	710.	700.
90%	770.	770.	770.	900.	770.	770.	900.	770.	770.	770.	770.	900.
50%	700.	700.	700.	700.	700.	700.	690.	700.	700.	700.	700.	690.
10%	660.	660.	660.	540.	660.	660.	550.	660.	660.	660.	660.	550.
N	35	35	35	42	35	35	42	35	35	35	35	42
NOV MEAN	740.	740.	740.	710.	740.	740.	710.	740.	740.	740.	740.	710.
90%	790.	790.	790.	900.	790.	790.	900.	790.	790.	790.	790.	900.
50%	730.	730.	730.	700.	730.	730.	700.	730.	730.	730.	730.	700.
10%	700.	700.	700.	550.	700.	700.	550.	700.	700.	700.	700.	550.
N	40	40	40	42	40	40	42	40	40	40	40	42
DEC MEAN	770.	770.	770.	700.	770.	770.	700.	770.	770.	770.	770.	700.
90%	810.	810.	810.	880.	810.	810.	880.	810.	810.	810.	810.	880.
50%	780.	780.	780.	700.	780.	780.	690.	780.	780.	780.	780.	690.
10%	700.	700.	700.	540.	700.	700.	550.	700.	700.	700.	700.	550.
N	19	19	19	40	19	19	40	19	19	19	19	40

STATION 5

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	500.	500.	500.	640.	500.	500.	640.	500.	500.	500.	500.	640.
90%	580.	580.	580.	1070.	580.	580.	1070.	580.	580.	580.	580.	1070.
50%	420.	420.	420.	560.	420.	420.	560.	420.	420.	420.	420.	560.
10%	430.	430.	430.	450.	430.	430.	450.	430.	430.	430.	430.	450.
N	25	25	25	22	25	25	22	25	25	25	25	22
APR MEAN	490.	490.	490.	620.	490.	490.	620.	490.	490.	490.	490.	620.
90%	550.	550.	550.	1060.	550.	550.	1060.	550.	550.	550.	550.	1060.
50%	500.	500.	500.	550.	500.	500.	550.	500.	500.	500.	500.	550.
10%	430.	430.	430.	430.	430.	430.	430.	430.	430.	430.	430.	430.
N	27	27	27	23	27	27	23	27	27	27	27	23
MAY MEAN	530.	530.	530.	600.	530.	530.	600.	530.	530.	530.	530.	600.
90%	560.	560.	560.	660.	560.	560.	660.	560.	560.	560.	560.	660.
50%	540.	540.	540.	610.	540.	540.	610.	540.	540.	540.	540.	610.
10%	500.	500.	500.	520.	500.	500.	520.	500.	500.	500.	500.	520.
N	10	10	10	10	10	10	10	10	10	10	10	10
JUN MEAN	520.	520.	520.	550.	520.	520.	550.	520.	520.	520.	520.	550.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	510.	510.	510.	540.	510.	510.	540.	510.	510.	510.	510.	540.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7	7	7	7	7	7	7
JUL MEAN	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.	550.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2
AUG MEAN	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.	680.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2
SEP MEAN	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.	590.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1	1	1	1	1	1	1
OCT MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0

STATION 6

SCENARIO SUMMARY LISTING FOR IDS IN UNITS OF MG/L

MO	YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN	MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
	10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0	0	0	0	0	0
FEB	MEAN	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.	1270.
	90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	50%	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.	1220.
	10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	N	3	3	3	3	3	3	3	3	3	3	3	3
MAR	MEAN	620.	620.	620.	640.	620.	620.	640.	620.	620.	620.	620.	640.
	90%	910.	910.	910.	930.	910.	910.	930.	910.	910.	910.	910.	930.
	50%	570.	570.	570.	610.	570.	570.	610.	570.	570.	570.	570.	610.
	10%	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.
	N	37	37	37	37	37	37	37	37	37	37	37	37
APR	MEAN	690.	690.	690.	700.	690.	690.	700.	690.	690.	690.	690.	700.
	90%	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.	1070.
	50%	630.	630.	630.	670.	630.	630.	670.	630.	630.	630.	630.	670.
	10%	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.
	N	42	42	42	42	42	42	42	42	42	42	42	42
MAY	MEAN	950.	950.	950.	950.	950.	950.	950.	950.	950.	950.	950.	950.
	90%	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.	1180.
	50%	970.	970.	970.	970.	970.	970.	970.	970.	970.	970.	970.	970.
	10%	640.	640.	640.	650.	640.	640.	650.	640.	640.	640.	640.	650.
	N	42	42	42	42	42	42	42	42	42	42	42	42
JUN	MEAN	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.	1090.
	90%	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.
	50%	1020.	1020.	1020.	1020.	1020.	1020.	1020.	1020.	1020.	1020.	1020.	1020.
	10%	630.	630.	630.	630.	630.	630.	630.	630.	630.	630.	630.	630.
	N	40	40	40	40	40	40	40	40	40	40	40	40
JUL	MEAN	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.
	90%	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.
	50%	1410.	1410.	1410.	1410.	1410.	1410.	1410.	1410.	1410.	1410.	1410.	1410.
	10%	760.	760.	760.	760.	760.	760.	760.	760.	760.	760.	760.	760.
	N	32	32	32	32	32	32	32	32	32	32	32	32
AUG	MEAN	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.	1310.
	90%	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.
	50%	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.
	10%	880.	880.	880.	880.	880.	880.	880.	880.	880.	880.	880.	880.
	N	14	14	14	14	14	14	14	14	14	14	14	14
SEP	MEAN	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.	1430.
	90%	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.
	50%	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.	1560.
	10%	900.	900.	900.	900.	900.	900.	900.	900.	900.	900.	900.	900.
	N	11	11	11	11	11	11	11	11	11	11	11	11
OCT	MEAN	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.	1460.
	90%	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.	1670.
	50%	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.
	10%	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.	1240.
	N	28	28	28	28	28	28	28	28	28	28	28	28
NOV	MEAN	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.
	90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	50%	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.	1480.
	10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	N	3	3	3	3	3	3	3	3	3	3	3	3
DEC	MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
	10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0	0	0	0	0	0

STATION 7

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	1070.	1070.	1070.	1240.	1070.	1070.	1240.	1070.	1070.	1070.	1070.	1240.
90%	0.	0.	0.	1240.	0.	0.	1240.	0.	0.	0.	0.	1240.
50%	950.	950.	960.	1240.	950.	960.	1240.	960.	960.	950.	960.	1240.
10%	0.	0.	0.	1240.	0.	0.	1240.	0.	0.	0.	0.	1240.
N	4	4	4	39	4	4	39	4	4	4	4	39
FEB MEAN	960.	960.	960.	1110.	960.	960.	1110.	960.	960.	960.	960.	1110.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	830.	830.	840.	1060.	830.	840.	1060.	840.	840.	830.	840.	1060.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	7	7	7	6	7	7	6	7	7	7	7	6
MAR MEAN	550.	550.	610.	670.	550.	610.	670.	610.	610.	550.	610.	670.
90%	760.	760.	870.	910.	760.	870.	910.	870.	870.	760.	870.	910.
50%	510.	510.	540.	620.	510.	540.	620.	540.	540.	510.	540.	620.
10%	380.	380.	390.	490.	380.	390.	490.	390.	390.	380.	390.	490.
N	37	37	38	38	37	38	38	38	38	37	38	38
APR MEAN	530.	530.	530.	590.	530.	530.	600.	530.	530.	530.	530.	600.
90%	690.	690.	690.	750.	690.	690.	750.	690.	690.	690.	690.	750.
50%	520.	520.	520.	590.	520.	520.	590.	520.	520.	520.	520.	590.
10%	380.	380.	380.	440.	380.	380.	440.	380.	380.	380.	380.	440.
N	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	640.	640.	640.	680.	640.	640.	690.	640.	640.	640.	640.	690.
90%	770.	770.	770.	840.	770.	770.	840.	770.	770.	770.	770.	840.
50%	650.	650.	650.	670.	650.	650.	680.	650.	650.	650.	650.	680.
10%	490.	490.	490.	530.	490.	490.	530.	490.	490.	490.	490.	530.
N	42	42	42	41	42	42	41	42	42	42	42	41
JUN MEAN	700.	700.	700.	690.	700.	700.	690.	700.	700.	700.	700.	690.
90%	850.	850.	850.	810.	850.	850.	820.	850.	850.	850.	850.	820.
50%	700.	700.	700.	710.	700.	700.	710.	700.	700.	700.	700.	710.
10%	520.	520.	520.	500.	520.	520.	500.	520.	520.	520.	520.	500.
N	34	34	33	22	34	33	22	33	33	34	33	22
JUL MEAN	630.	630.	640.	600.	630.	640.	600.	640.	640.	630.	640.	600.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	660.	660.	670.	590.	660.	670.	590.	670.	670.	660.	670.	590.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	9	9	9	5	9	9	5	9	9	9	9	5
AUG MEAN	730.	730.	730.	770.	730.	730.	770.	730.	730.	730.	730.	770.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	760.	760.	770.	770.	760.	770.	770.	770.	770.	760.	770.	770.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3	3	3	2	3	3	2	3	3	3	3	2
SEP MEAN	820.	820.	730.	920.	820.	730.	920.	730.	730.	820.	730.	920.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	780.	780.	730.	920.	780.	730.	920.	730.	730.	780.	730.	920.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3	3	2	1	3	2	1	2	2	3	2	1
OCT MEAN	1040.	1040.	1040.	1090.	1040.	1040.	1090.	1040.	1040.	1040.	1040.	1090.
90%	1540.	1540.	1500.	1380.	1540.	1500.	1380.	1500.	1500.	1540.	1500.	1380.
50%	960.	960.	970.	1050.	960.	970.	1050.	970.	970.	960.	970.	1050.
10%	840.	840.	840.	940.	840.	840.	940.	840.	840.	840.	840.	940.
N	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	870.	870.	920.	1000.	870.	920.	1000.	920.	920.	870.	920.	1000.
90%	990.	990.	1010.	1360.	990.	1010.	1360.	1010.	1010.	990.	1010.	1360.
50%	870.	870.	820.	970.	870.	820.	960.	820.	820.	870.	820.	960.
10%	770.	770.	790.	840.	770.	790.	840.	790.	790.	770.	790.	840.
N	40	40	42	42	40	42	42	42	42	40	42	42
DEC MEAN	1170.	1170.	1170.	1200.	1170.	1170.	1200.	1170.	1170.	1170.	1170.	1200.
90%	1630.	1630.	1600.	1460.	1630.	1600.	1460.	1600.	1600.	1630.	1600.	1460.
50%	930.	930.	950.	1160.	930.	950.	1160.	950.	950.	930.	950.	1160.
10%	820.	820.	830.	850.	820.	830.	850.	830.	830.	820.	830.	850.
N	33	33	33	35	33	33	35	33	33	33	33	35

STATION 8

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	1230.	1130.	1210.	1210.	1140.	1240.	1240.	1250.	1230.	1110.	1210.	1220.
90%	1290.	1260.	1430.	1370.	1280.	1420.	1380.	1440.	1400.	1260.	1380.	1350.
50%	1250.	1120.	1190.	1200.	1160.	1220.	1240.	1240.	1210.	1110.	1200.	1220.
10%	1100.	960.	1010.	1060.	990.	1050.	1090.	1060.	1050.	940.	1020.	1080.
N	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	1170.	1090.	1170.	1180.	1100.	1200.	1210.	1220.	1190.	1070.	1170.	1180.
90%	1290.	1240.	1460.	1410.	1250.	1440.	1390.	1460.	1410.	1220.	1380.	1350.
50%	1250.	1090.	1150.	1150.	1110.	1170.	1190.	1180.	1160.	1080.	1150.	1160.
10%	920.	910.	950.	980.	920.	960.	990.	970.	950.	890.	950.	980.
N	41	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	520.	570.	580.	600.	570.	580.	610.	580.	580.	570.	580.	610.
90%	740.	790.	810.	740.	790.	810.	740.	810.	810.	790.	810.	740.
50%	580.	530.	530.	610.	530.	530.	610.	530.	530.	530.	530.	610.
10%	370.	440.	420.	480.	450.	440.	490.	440.	440.	450.	440.	490.
N	34	30	28	23	30	28	23	28	28	30	28	23
APR MEAN	530.	600.	600.	630.	600.	610.	630.	610.	610.	600.	610.	630.
90%	720.	770.	770.	780.	770.	770.	790.	780.	770.	760.	770.	780.
50%	510.	580.	590.	620.	580.	590.	610.	590.	590.	580.	580.	610.
10%	330.	440.	440.	490.	440.	450.	480.	460.	450.	440.	450.	480.
N	41	42	41	41	42	41	41	41	41	42	41	41
MAY MEAN	670.	730.	750.	770.	730.	750.	780.	750.	750.	730.	750.	770.
90%	790.	860.	920.	940.	880.	920.	940.	920.	920.	870.	910.	940.
50%	690.	740.	770.	780.	740.	770.	780.	770.	760.	740.	760.	780.
10%	490.	570.	570.	600.	570.	590.	610.	590.	590.	560.	590.	610.
N	41	41	41	38	41	41	38	41	41	41	41	38
JUN MEAN	730.	800.	830.	810.	800.	830.	810.	830.	820.	790.	820.	810.
90%	690.	970.	1110.	960.	980.	1080.	960.	1090.	1070.	960.	1070.	960.
50%	750.	820.	830.	840.	800.	810.	840.	810.	810.	800.	800.	840.
10%	550.	570.	570.	590.	570.	570.	580.	570.	570.	570.	570.	580.
N	36	37	37	29	37	37	29	37	37	37	36	29
JUL MEAN	790.	820.	840.	740.	820.	850.	740.	850.	840.	810.	840.	740.
90%	980.	1020.	1020.	930.	1000.	1060.	940.	1070.	1060.	990.	1050.	930.
50%	780.	840.	870.	720.	850.	870.	720.	870.	870.	840.	860.	720.
10%	540.	580.	590.	510.	580.	590.	510.	590.	590.	570.	590.	510.
N	22	23	22	11	23	22	11	22	22	23	22	11
AUG MEAN	950.	1020.	1010.	970.	1010.	1030.	980.	1030.	1020.	1000.	1010.	970.
90%	1080.	1180.	1150.	0.	1140.	1170.	0.	1170.	1160.	1130.	1160.	0.
50%	960.	1010.	980.	1020.	1010.	1020.	1020.	1010.	1000.	1000.	990.	1010.
10%	730.	890.	880.	0.	900.	890.	0.	890.	880.	890.	870.	0.
N	13	20	12	3	19	12	3	12	12	19	11	3
SEP MEAN	950.	1040.	1060.	1060.	1040.	1080.	1070.	1080.	1070.	1030.	1060.	1060.
90%	1130.	1190.	1190.	0.	1150.	1190.	0.	1200.	1190.	1130.	1180.	0.
50%	930.	1040.	1090.	1110.	1070.	1100.	1160.	1100.	1090.	1050.	1090.	1140.
10%	800.	890.	910.	0.	890.	910.	0.	910.	910.	890.	910.	0.
N	26	26	24	3	26	23	3	23	23	26	23	3
OCT MEAN	910.	1010.	1030.	1070.	1010.	1040.	1080.	1050.	1040.	1000.	1030.	1070.
90%	1050.	1190.	1220.	1220.	1130.	1210.	1210.	1220.	1200.	1120.	1180.	1200.
50%	900.	1000.	1030.	1080.	1000.	1030.	1080.	1030.	1020.	990.	1020.	1070.
10%	770.	860.	900.	910.	860.	890.	910.	890.	890.	850.	890.	900.
N	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	970.	1020.	1050.	1080.	1020.	1060.	1090.	1070.	1060.	1010.	1050.	1070.
90%	1080.	1160.	1260.	1250.	1150.	1250.	1270.	1260.	1240.	1140.	1230.	1250.
50%	960.	1050.	1060.	1080.	1040.	1070.	1100.	1080.	1060.	1020.	1060.	1090.
10%	830.	890.	920.	930.	900.	920.	930.	920.	920.	890.	910.	930.
N	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	1140.	1110.	1160.	1170.	1120.	1180.	1190.	1190.	1170.	1100.	1160.	1170.
90%	1300.	1290.	1390.	1350.	1280.	1360.	1340.	1380.	1340.	1260.	1330.	1310.
50%	1150.	1100.	1110.	1170.	1120.	1160.	1190.	1170.	1150.	1100.	1140.	1170.
10%	950.	980.	1000.	1000.	990.	1010.	1010.	1010.	1000.	980.	1000.	1000.
N	42	42	42	42	42	42	42	42	42	42	42	42

STATION 9

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	730.	670.	710.	710.	670.	710.	710.	710.	710.	670.	710.	710.
90%	2260.	1190.	1190.	1190.	1190.	1190.	1190.	1190.	1190.	1190.	1190.	1190.
50%	460.	560.	660.	690.	560.	660.	680.	660.	660.	560.	660.	680.
10%	310.	320.	330.	340.	320.	330.	340.	330.	330.	320.	330.	340.
N	22	27	27	27	27	27	27	27	27	27	27	27
APR MEAN	490.	420.	420.	690.	420.	420.	690.	420.	420.	420.	420.	690.
90%	660.	630.	630.	1260.	630.	630.	1260.	630.	630.	630.	630.	1260.
50%	470.	410.	410.	520.	410.	410.	520.	410.	410.	410.	410.	520.
10%	250.	240.	240.	250.	240.	240.	250.	240.	240.	240.	240.	250.
N	32	35	35	35	35	35	35	35	35	35	35	35
MAY MEAN	640.	540.	640.	740.	640.	640.	740.	640.	640.	640.	640.	740.
90%	780.	780.	780.	1020.	780.	780.	1020.	780.	780.	780.	780.	1020.
50%	680.	680.	680.	720.	680.	680.	720.	680.	680.	680.	680.	720.
10%	470.	470.	470.	480.	470.	470.	480.	470.	470.	470.	470.	480.
N	28	28	28	21	28	28	21	28	28	28	28	21
JUN MEAN	600.	610.	610.	710.	610.	610.	710.	610.	610.	610.	610.	710.
90%	740.	750.	750.	1040.	750.	750.	1040.	750.	750.	750.	750.	1040.
50%	640.	640.	640.	740.	640.	640.	740.	640.	640.	640.	640.	740.
10%	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.
N	20	21	21	20	21	21	20	21	21	21	21	20
JUL MEAN	680.	680.	680.	760.	680.	680.	760.	680.	680.	680.	680.	760.
90%	780.	780.	780.	960.	780.	780.	960.	780.	780.	780.	780.	960.
50%	680.	680.	680.	750.	680.	680.	750.	680.	680.	680.	680.	750.
10%	500.	500.	500.	510.	500.	500.	510.	500.	500.	500.	500.	510.
N	12	12	12	12	12	12	12	12	12	12	12	12
AUG MEAN	670.	670.	670.	760.	670.	670.	760.	670.	670.	670.	670.	760.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	670.	670.	670.	750.	670.	670.	750.	670.	670.	670.	670.	750.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	6	6	6	6	6	6	6	6	6	6	6	6
SEP MEAN	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.	670.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	650.	650.	650.	650.	650.	650.	650.	650.	650.	650.	650.	650.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	4	4	4	4	4	4	4	4	4	4	4	4
OCT MEAN	750.	750.	750.	890.	750.	750.	890.	750.	750.	750.	750.	890.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	750.	750.	750.	890.	750.	750.	890.	750.	750.	750.	750.	890.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2
NOV MEAN	720.	720.	720.	830.	720.	720.	830.	720.	720.	720.	720.	830.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	720.	720.	720.	830.	720.	720.	830.	720.	720.	720.	720.	830.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0

STATION 10

SCENARIO SUMMARY LISTING FOR TOS IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SCAN	SCAP	SC4NM	SC8NM	SC12NM
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
JAN 90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
JAN 50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
JAN 10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
JAN N	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FEB 90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FEB 50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
FEB 10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
FEB N	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	390.	390.	390.	490.	390.	390.	490.	390.	390.	390.	390.	490.
MAR 90%	500.	500.	500.	850.	500.	500.	850.	500.	500.	500.	500.	850.
MAR 50%	380.	380.	380.	420.	380.	380.	420.	380.	380.	380.	380.	420.
MAR 10%	290.	290.	290.	300.	290.	290.	300.	290.	290.	290.	290.	300.
MAR N	24	24	24	23	24	24	23	24	24	24	24	23
APR MEAN	360.	360.	360.	470.	360.	360.	470.	360.	360.	360.	360.	470.
APR 90%	520.	520.	520.	920.	520.	520.	920.	520.	520.	520.	520.	920.
APR 50%	350.	350.	350.	400.	350.	350.	400.	350.	350.	350.	350.	400.
APR 10%	230.	230.	230.	230.	230.	230.	230.	230.	230.	230.	230.	230.
APR N	26	26	26	23	26	26	23	26	26	26	26	23
MAY MEAN	510.	510.	510.	540.	510.	510.	540.	510.	510.	510.	510.	540.
MAY 90%	550.	550.	550.	600.	550.	550.	600.	550.	550.	550.	550.	600.
MAY 50%	530.	530.	530.	560.	530.	530.	560.	530.	530.	530.	530.	560.
MAY 10%	440.	440.	440.	450.	440.	440.	450.	440.	440.	440.	440.	450.
MAY N	10	10	10	10	10	10	10	10	10	10	10	10
JUN MEAN	470.	470.	470.	490.	470.	470.	490.	470.	470.	470.	470.	490.
JUN 90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
JUN 50%	480.	480.	480.	490.	480.	480.	490.	480.	480.	480.	480.	490.
JUN 10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
JUN N	7	7	7	7	7	7	7	7	7	7	7	7
JUL MEAN	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.
JUL 90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
JUL 50%	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.	500.
JUL 10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
JUL N	2	2	2	2	2	2	2	2	2	2	2	2
AUG MEAN	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.
AUG 90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AUG 50%	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.	510.
AUG 10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
AUG N	1	1	1	1	1	1	1	1	1	1	1	1
SEP MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SEP 90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SEP 50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
SEP 10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SEP N	0	0	0	0	0	0	0	0	0	0	0	0
OCT MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OCT 90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OCT 50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
OCT 10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
OCT N	0	0	0	0	0	0	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NOV 90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NOV 50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
NOV 10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NOV N	0	0	0	0	0	0	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEC 90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEC 50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
DEC 10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DEC N	0	0	0	0	0	0	0	0	0	0	0	0

STATION 11

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
90%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
50%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
10%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
N	25	25	28	42	25	28	42	28	28	25	28	42
FEB MEAN	790.	790.	790.	790.	790.	790.	790.	790.	790.	790.	790.	790.
90%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
50%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
10%	780.	780.	780.	780.	780.	780.	780.	780.	780.	780.	780.	780.
N	20	20	20	22	20	20	22	20	20	20	20	22
MAR MEAN	440.	440.	440.	450.	440.	440.	450.	440.	440.	440.	440.	450.
90%	520.	520.	520.	520.	520.	520.	520.	520.	520.	520.	520.	520.
50%	450.	450.	470.	480.	450.	470.	480.	470.	470.	450.	470.	480.
10%	310.	310.	320.	320.	310.	320.	320.	320.	320.	310.	320.	320.
N	41	41	41	41	41	41	41	41	41	41	41	41
APR MEAN	430.	430.	430.	430.	430.	430.	430.	430.	430.	430.	430.	430.
90%	530.	530.	530.	540.	530.	530.	540.	530.	530.	530.	530.	540.
50%	450.	450.	450.	470.	450.	450.	470.	450.	450.	450.	450.	470.
10%	270.	270.	270.	270.	270.	270.	270.	270.	270.	270.	270.	270.
N	42	42	42	41	42	42	41	42	42	42	42	41
MAY MEAN	610.	610.	610.	590.	610.	610.	590.	610.	610.	610.	610.	590.
90%	760.	760.	760.	700.	760.	760.	700.	760.	760.	760.	760.	700.
50%	620.	620.	620.	620.	620.	620.	620.	620.	620.	620.	620.	620.
10%	430.	430.	430.	420.	430.	430.	420.	430.	430.	430.	430.	420.
N	42	42	42	36	42	42	36	42	42	42	42	36
JUN MEAN	660.	660.	660.	600.	660.	660.	600.	660.	660.	660.	660.	600.
90%	800.	800.	800.	710.	800.	800.	710.	800.	800.	800.	800.	710.
50%	680.	680.	690.	620.	680.	690.	620.	690.	690.	680.	690.	620.
10%	470.	470.	470.	400.	470.	470.	400.	470.	470.	470.	470.	400.
N	42	42	42	23	42	42	23	42	42	42	42	23
JUL MEAN	730.	730.	700.	770.	730.	700.	770.	700.	700.	730.	700.	770.
90%	760.	760.	760.	0.	760.	760.	0.	760.	760.	760.	760.	0.
50%	740.	740.	720.	770.	740.	720.	770.	720.	720.	740.	720.	770.
10%	690.	690.	570.	0.	690.	570.	0.	570.	570.	690.	570.	0.
N	41	41	13	4	41	13	4	13	13	41	13	4
AUG MEAN	780.	780.	750.	810.	780.	750.	810.	750.	750.	780.	750.	810.
90%	850.	850.	0.	0.	850.	0.	0.	0.	0.	850.	0.	0.
50%	810.	810.	770.	830.	810.	770.	830.	770.	770.	810.	770.	830.
10%	630.	630.	0.	0.	630.	0.	0.	0.	0.	630.	0.	0.
N	15	15	6	4	15	6	4	6	6	15	6	4
SEP MEAN	800.	800.	740.	610.	800.	740.	610.	740.	740.	800.	740.	610.
90%	900.	900.	0.	0.	900.	0.	0.	0.	0.	900.	0.	0.
50%	820.	820.	770.	610.	820.	770.	610.	770.	770.	820.	770.	610.
10%	630.	630.	0.	0.	630.	0.	0.	0.	0.	630.	0.	0.
N	17	17	7	1	17	7	1	7	7	17	7	1
OCT MEAN	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.
90%	900.	900.	890.	880.	900.	890.	880.	890.	890.	900.	890.	880.
50%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
10%	750.	750.	750.	750.	750.	750.	750.	750.	750.	750.	750.	750.
N	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	820.	820.	820.	820.	820.	820.	820.	820.	820.	820.	820.	820.
90%	880.	880.	880.	870.	880.	880.	870.	880.	880.	880.	880.	870.
50%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
10%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
N	40	40	42	42	40	42	42	42	42	40	42	42
DEC MEAN	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.	810.
90%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
50%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
10%	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.	800.
N	39	39	41	42	39	41	42	41	41	39	41	42

STATION 12

SCENARIO SUMMARY LISTING FOR TDS IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	1230.	1160.	0.	0.	1180.	0.	0.	0.	0.	1160.	0.	0.
90%	1310.	1290.	0.	0.	1290.	0.	0.	0.	0.	1280.	0.	0.
50%	1240.	1170.	--0.	--0.	1180.	--0.	--0.	--0.	--0.	1170.	--0.	--0.
10%	1130.	1030.	0.	0.	1050.	0.	0.	0.	0.	1010.	0.	0.
N	42	42	0	0	42	0	0	0	0	42	0	0
FEB MEAN	1210.	1140.	0.	0.	1150.	0.	0.	0.	0.	1130.	0.	0.
90%	1320.	1280.	0.	0.	1290.	0.	0.	0.	0.	1280.	0.	0.
50%	1280.	1190.	--0.	--0.	1200.	--0.	--0.	--0.	--0.	1180.	--0.	--0.
10%	930.	920.	0.	0.	930.	0.	0.	0.	0.	910.	0.	0.
N	42	42	0	0	42	0	0	0	0	42	0	0
MAR MEAN	500.	520.	380.	360.	520.	380.	370.	380.	380.	520.	380.	370.
90%	710.	710.	0.	0.	710.	0.	0.	0.	0.	710.	0.	0.
50%	470.	490.	380.	370.	490.	380.	370.	380.	380.	490.	380.	370.
10%	340.	370.	0.	0.	370.	0.	0.	0.	0.	370.	0.	0.
N	35	35	7	3	35	7	3	7	7	35	7	3
APR MEAN	510.	540.	480.	420.	540.	480.	430.	480.	480.	540.	480.	430.
90%	660.	680.	670.	630.	680.	670.	640.	670.	670.	680.	670.	640.
50%	510.	520.	440.	390.	520.	440.	390.	440.	440.	520.	440.	390.
10%	310.	360.	310.	310.	360.	310.	320.	310.	310.	360.	310.	320.
N	42	42	23	11	42	23	11	23	23	42	23	11
MAY MEAN	690.	720.	700.	670.	720.	700.	630.	700.	700.	720.	700.	630.
90%	880.	920.	910.	830.	920.	910.	830.	910.	910.	910.	900.	830.
50%	720.	730.	680.	600.	730.	680.	620.	690.	690.	730.	690.	600.
10%	490.	520.	510.	490.	530.	520.	500.	520.	520.	520.	520.	500.
N	42	42	23	14	42	24	14	24	24	42	24	14
JUN MEAN	790.	810.	790.	770.	810.	790.	770.	790.	790.	810.	790.	770.
90%	1130.	1140.	1130.	1010.	1140.	1140.	1010.	1140.	1140.	1130.	1140.	1010.
50%	790.	810.	760.	780.	810.	770.	770.	770.	770.	810.	770.	770.
10%	520.	540.	470.	510.	540.	470.	510.	470.	470.	540.	470.	510.
N	41	41	28	14	41	28	14	28	28	41	28	14
JUL MEAN	960.	960.	1000.	1000.	960.	1000.	1000.	1000.	1000.	960.	1000.	1000.
90%	1220.	1220.	1380.	1380.	1220.	1380.	1380.	1380.	1380.	1220.	1380.	1380.
50%	1020.	1020.	990.	1010.	1020.	1000.	1010.	1000.	1000.	1020.	990.	1010.
10%	590.	610.	620.	550.	610.	610.	550.	610.	610.	610.	610.	550.
N	37	37	28	16	37	28	16	28	28	37	28	16
AUG MEAN	1230.	1210.	1240.	1300.	1220.	1250.	1300.	1250.	1250.	1210.	1250.	1300.
90%	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.	1380.
50%	1280.	1250.	1320.	1340.	1250.	1340.	1360.	1340.	1330.	1250.	1340.	1360.
10%	990.	1010.	1010.	1130.	1000.	1020.	1130.	1020.	1020.	1000.	1020.	1130.
N	33	33	27	16	33	26	16	26	26	33	26	16
SEP MEAN	1200.	1200.	1220.	1280.	1200.	1230.	1280.	1230.	1220.	1200.	1220.	1280.
90%	1370.	1370.	1360.	1370.	1370.	1360.	1370.	1360.	1360.	1370.	1360.	1370.
50%	1250.	1230.	1250.	1360.	1230.	1270.	1360.	1270.	1270.	1230.	1270.	1360.
10%	860.	880.	1040.	830.	880.	1050.	830.	1050.	1050.	880.	1050.	830.
N	38	38	29	16	38	29	16	29	29	38	29	16
OCT MEAN	980.	1040.	0.	0.	1040.	0.	0.	0.	0.	1040.	0.	0.
90%	1140.	1160.	0.	0.	1160.	0.	0.	0.	0.	1160.	0.	0.
50%	1010.	1070.	--0.	--0.	1080.	--0.	--0.	--0.	--0.	1070.	--0.	--0.
10%	800.	830.	0.	0.	830.	0.	0.	0.	0.	820.	0.	0.
N	42	42	0	0	42	0	0	0	0	42	0	0
NOV MEAN	1010.	1040.	0.	0.	1040.	0.	0.	0.	0.	1040.	0.	0.
90%	1160.	1210.	0.	0.	1210.	0.	0.	0.	0.	1200.	0.	0.
50%	1010.	1030.	--0.	--0.	1040.	--0.	--0.	--0.	--0.	1030.	--0.	--0.
10%	860.	890.	0.	0.	890.	0.	0.	0.	0.	890.	0.	0.
N	42	42	0	0	42	0	0	0	0	42	0	0
DEC MEAN	1150.	1140.	0.	0.	1150.	0.	0.	0.	0.	1130.	0.	0.
90%	1250.	1270.	0.	0.	1280.	0.	0.	0.	0.	1260.	0.	0.
50%	1120.	1160.	--0.	--0.	1160.	--0.	--0.	--0.	--0.	1150.	--0.	--0.
10%	970.	990.	0.	0.	990.	0.	0.	0.	0.	990.	0.	0.

ATTACHMENT 3

Predicted Boron Concentrations in the Poplar River Basin

a. For the various development scenarios examined.

STATION 1

SCENARIO SUMMARY LISTING FOR BURON IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	2.8	2.9	1.5	6.5	6.9	6.9	11.1	12.4	12.4	11.3	12.4	12.4	11.3	12.4	12.4
90%	3.5	3.6	2.2	8.9	9.7	9.7	16.4	21.0	21.0	17.3	21.0	21.0	17.3	21.0	21.0
50%	-2.2	-2.2	-1.4	-6.5	-6.2	-6.2	11.4	12.3	12.3	11.1	11.7	11.7	11.1	11.7	11.7
10%	2.2	2.3	0.9	3.6	3.6	3.6	5.7	6.2	6.2	6.2	6.6	6.6	6.2	6.6	6.6
N	28	28	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	2.4	2.4	1.5	6.3	6.7	6.7	10.7	12.0	12.0	10.8	11.9	11.9	10.8	11.9	11.9
90%	3.2	3.2	2.2	9.3	10.1	10.1	17.3	21.4	21.4	17.4	20.8	20.8	17.4	20.8	20.8
50%	-2.2	-2.2	-1.5	-6.1	-6.4	-6.4	10.1	11.1	11.1	10.4	11.2	11.2	10.4	11.2	11.2
10%	1.4	1.4	1.0	3.9	4.1	4.1	6.2	6.4	6.4	6.1	6.2	6.2	6.1	6.2	6.2
N	28	28	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	0.7	0.5	1.6	4.2	4.4	4.4	6.5	7.0	7.0	6.5	7.0	7.0	6.5	7.0	7.0
90%	1.8	1.1	2.0	5.1	5.4	5.4	8.9	9.6	9.6	8.6	9.3	9.3	8.6	9.3	9.3
50%	-0.2	-0.2	-1.7	-4.2	-4.4	-4.4	-6.1	-6.7	-6.7	-6.2	-6.7	-6.7	-6.2	-6.7	-6.7
10%	0.2	0.1	1.1	3.0	3.1	3.1	4.4	4.4	4.4	4.2	4.2	4.2	4.2	4.2	4.2
N	42	27	42	42	42	42	42	42	42	42	42	42	42	42	42
APR MEAN	0.6	0.8	1.4	3.9	4.1	4.1	5.9	6.1	6.1	5.4	5.7	5.7	5.4	5.7	5.7
90%	1.1	1.1	2.0	5.2	5.4	5.4	8.3	9.7	9.7	7.6	8.0	8.0	7.6	8.0	8.0
50%	-0.2	-0.2	-1.4	-3.8	-3.2	-3.2	-5.8	-5.6	-5.6	-5.5	-5.7	-5.7	-5.5	-5.7	-5.7
10%	0.1	0.1	0.8	2.7	2.8	2.8	3.6	4.0	4.0	3.6	3.9	3.9	3.6	3.9	3.9
N	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	0.9	1.0	1.6	4.1	4.3	4.3	6.4	7.0	7.0	6.4	6.8	6.8	6.4	6.8	6.8
90%	1.2	1.3	2.0	4.9	5.2	5.2	9.1	10.1	10.1	8.5	9.4	9.4	8.5	9.4	9.4
50%	-1.2	-1.2	-1.6	-4.1	-4.3	-4.3	-6.6	-7.0	-7.0	-6.7	-7.0	-7.0	-6.7	-7.0	-7.0
10%	0.5	0.5	1.1	3.0	3.1	3.1	4.0	4.6	4.6	4.3	4.5	4.5	4.3	4.5	4.5
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	1.1	1.1	1.6	4.3	4.6	4.6	7.4	7.6	7.6	7.1	7.9	7.9	7.1	7.9	7.9
90%	1.3	1.4	2.0	5.6	6.0	6.0	11.5	13.0	13.0	10.4	12.2	12.2	10.4	12.2	12.2
50%	-1.2	-1.2	-1.5	-4.2	-4.4	-4.4	-7.0	-7.0	-7.0	-6.8	-7.5	-7.5	-6.8	-7.5	-7.5
10%	0.7	0.7	1.3	3.1	3.2	3.2	4.6	4.7	4.7	4.7	4.9	4.9	4.7	4.9	4.9
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	1.3	1.3	1.5	5.0	5.3	5.3	7.8	8.9	8.9	8.0	8.7	8.7	8.0	8.7	8.7
90%	1.7	1.8	2.1	6.6	7.0	7.0	11.1	12.2	12.2	10.6	12.3	12.3	10.6	12.3	12.3
50%	-1.2	-1.3	-1.5	-4.9	-5.2	-5.2	-7.5	-8.5	-8.5	-7.8	-8.1	-8.1	-7.8	-8.1	-8.1
10%	1.0	1.0	1.1	3.2	3.3	3.3	4.8	5.3	5.3	4.7	5.4	5.4	4.7	5.4	5.4
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG MEAN	1.5	1.6	1.5	5.3	5.6	5.6	8.5	9.4	9.4	8.5	9.7	9.7	8.5	9.7	9.7
90%	2.0	2.1	2.1	7.5	8.1	8.1	12.1	14.0	14.0	12.2	14.7	14.7	12.2	14.7	14.7
50%	-1.4	-1.4	-1.5	-5.0	-5.2	-5.2	-8.1	-8.6	-8.6	-8.0	-9.1	-9.1	-8.0	-9.1	-9.1
10%	1.2	1.2	1.2	3.3	3.4	3.4	5.5	5.7	5.7	5.4	5.6	5.6	5.4	5.6	5.6
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP MEAN	1.4	1.4	1.6	5.1	5.4	5.4	7.8	8.8	8.8	8.1	8.6	8.6	8.1	8.6	8.6
90%	1.9	1.9	2.1	7.2	7.8	7.8	10.9	13.5	13.5	11.6	13.1	13.1	11.6	13.1	13.1
50%	-1.3	-1.3	-1.6	-4.7	-5.0	-5.0	-7.5	-8.6	-8.6	-8.2	-8.2	-8.2	-8.2	-8.2	-8.2
10%	1.1	1.1	1.3	3.4	3.5	3.5	4.9	4.9	4.9	5.3	5.1	5.1	5.3	5.1	5.1
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT MEAN	1.4	1.4	1.8	4.9	5.2	5.2	7.2	7.8	7.8	7.3	8.0	8.0	7.3	8.0	8.0
90%	1.8	1.9	2.1	7.8	8.1	8.1	9.5	11.5	11.5	10.2	11.4	11.4	10.2	11.4	11.4
50%	-1.3	-1.3	-1.7	-4.6	-4.8	-4.8	-7.6	-7.5	-7.5	-7.5	-8.3	-8.3	-7.5	-8.3	-8.3
10%	1.1	1.1	1.6	3.4	3.5	3.5	4.7	4.3	4.3	4.6	4.6	4.6	4.6	4.6	4.6
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	1.6	1.6	1.7	5.1	5.3	5.3	7.6	8.3	8.3	7.7	8.3	8.3	7.7	8.3	8.3
90%	1.8	1.8	2.1	6.8	7.2	7.2	10.4	12.8	12.8	10.7	12.1	12.1	10.7	12.1	12.1
50%	-1.6	-1.6	-1.7	-4.9	-5.1	-5.1	-7.7	-7.9	-7.9	-8.2	-8.7	-8.7	-8.2	-8.7	-8.7
10%	1.3	1.3	1.5	3.3	3.4	3.4	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	2.1	2.1	1.7	5.5	5.8	5.8	9.1	10.0	10.0	9.2	10.0	10.0	9.2	10.0	10.0
90%	2.7	2.7	2.2	7.0	7.6	7.6	12.6	15.8	15.8	13.6	15.3	15.3	13.6	15.3	15.3
50%	-2.1	-2.1	-1.6	-5.4	-5.8	-5.8	-9.4	-9.8	-9.8	-9.4	-10.0	-10.0	-9.4	-10.0	-10.0
10%	1.6	1.6	1.4	3.6	3.7	3.7	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3
N	41	41	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 1

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	2.9	6.5	11.1	11.3	11.1	12.4
90%	3.6	8.9	16.4	17.3	16.4	21.0
50%	2.2	6.2	11.3	11.1	11.3	12.3
10%	2.3	3.6	5.7	6.2	5.7	6.2
N	28	42	42	42	42	42
FEB MEAN	2.4	6.3	10.7	10.8	10.7	12.0
90%	3.2	9.3	17.3	17.4	17.3	21.4
50%	2.2	6.1	12.1	12.4	12.1	11.1
10%	1.4	3.9	6.2	6.1	6.2	6.4
N	28	42	42	42	42	42
MAR MEAN	0.6	4.2	6.5	6.5	6.5	7.0
90%	2.2	5.1	8.9	8.6	8.9	9.6
50%	0.3	4.2	6.1	6.2	6.1	6.7
10%	0.1	3.0	4.4	4.2	4.4	4.4
N	29	42	42	42	42	42
APR MEAN	0.8	3.9	5.9	5.4	5.9	6.1
90%	1.1	5.2	8.3	7.6	8.3	9.7
50%	0.2	2.8	5.8	5.5	5.8	5.6
10%	0.1	2.7	3.6	3.6	3.6	4.0
N	41	42	42	42	42	42
MAY MEAN	1.0	4.1	6.4	6.4	6.4	7.0
90%	1.3	4.9	9.1	8.5	9.1	10.1
50%	1.0	4.1	6.6	6.7	6.6	7.0
10%	0.5	3.0	4.0	4.3	4.0	4.6
N	42	42	42	42	42	42
JUN MEAN	1.1	4.3	7.4	7.1	7.4	7.6
90%	1.4	5.6	11.5	10.4	11.5	13.0
50%	1.2	4.2	7.0	6.8	7.0	7.0
10%	0.7	3.1	4.6	4.7	4.6	4.7
N	42	42	42	42	42	42
JUL MEAN	1.3	5.0	7.8	8.0	7.8	8.9
90%	1.8	6.6	11.1	10.6	11.1	12.2
50%	1.2	4.2	7.2	7.8	7.2	8.2
10%	1.0	3.2	4.8	4.7	4.8	5.3
N	42	42	42	42	42	42
AUG MEAN	1.6	5.3	8.5	8.5	8.5	9.4
90%	2.1	7.5	12.1	12.2	12.1	14.0
50%	1.4	4.0	8.1	8.0	8.1	8.6
10%	1.2	3.3	5.5	5.4	5.5	5.7
N	42	42	42	42	42	42
SEP MEAN	1.4	5.1	7.8	8.1	7.8	8.8
90%	1.7	7.2	10.9	11.6	10.9	13.5
50%	1.3	4.7	7.2	8.2	7.2	8.6
10%	1.1	3.4	4.9	5.3	4.9	4.9
N	42	42	42	42	42	42
OCT MEAN	1.4	4.9	7.2	7.3	7.2	7.8
90%	1.9	7.8	9.5	10.2	9.5	11.5
50%	1.2	4.6	7.6	7.2	7.6	7.2
10%	1.1	3.4	4.7	4.6	4.7	4.3
N	42	42	42	42	42	42
NOV MEAN	1.6	5.1	7.6	7.7	7.6	8.3
90%	1.8	6.8	10.4	10.7	10.4	12.8
50%	1.0	4.2	7.7	8.2	7.7	7.2
10%	1.3	3.3	4.5	4.7	4.5	4.7
N	42	42	42	42	42	42
DEC MEAN	2.1	5.5	9.1	9.2	9.1	10.0
90%	2.7	7.0	12.6	13.6	12.6	15.8
50%	2.1	5.4	9.4	9.4	9.4	9.8
10%	1.6	3.6	5.2	5.3	5.2	5.2
N	41	42	42	42	42	42

STATION 2

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.4	0.4	0.4
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	0.7	0.7	0.7
50%	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
10%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
N	34	34	34	34	34	34	34	34	34	31	31	31	31	31	31
APR MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.4	0.4	0.4
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	0.8	0.8	0.8
50%	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
10%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
N	40	40	40	40	40	40	40	40	40	30	30	30	30	30	30
MAY MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	0.7	0.7	0.7
90%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.0	1.0	1.0
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2
N	28	28	28	28	28	28	28	28	28	17	17	17	17	17	17
JUN MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.0	0.8	0.8	0.8
90%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.0	1.0	1.0
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-1.0	-1.0	-1.0	-0.8	-0.8	-0.8
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5
N	16	16	16	16	16	16	16	16	16	14	14	14	14	14	14
JUL MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	0.9	0.9	0.9
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
AUG MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.9	0.9
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-1.0	-1.0	-1.0	-0.2	-0.2	-0.2
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SEP MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.0	1.0	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
OCT MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2	1.2	1.0	1.0	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.3	-1.3	-1.3	-1.1	-1.1	-1.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
NOV MEAN	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 2

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
MAR MEAN	0.4	0.4	0.4	0.8	0.4	0.4
90%	0.9	0.9	0.9	1.8	0.9	0.9
50%	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
10%	0.1	0.1	0.1	0.1	0.1	0.1
N	34	34	34	31	34	34
APR MEAN	0.5	0.5	0.5	0.7	0.5	0.5
90%	1.0	1.0	1.0	2.0	1.0	1.0
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.1	0.1	0.1	0.1	0.1	0.1
N	40	40	40	30	40	40
MAY MEAN	0.8	0.8	0.8	1.0	0.8	0.8
90%	1.1	1.1	1.1	1.7	1.1	1.1
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.4	0.4	0.4	0.3	0.4	0.4
N	28	28	28	17	28	28
JUN MEAN	0.8	0.8	0.8	0.9	0.8	0.8
90%	1.1	1.1	1.1	1.3	1.1	1.1
50%	-0.2	-0.2	-0.2	-1.0	-0.2	-0.2
10%	0.5	0.5	0.5	0.6	0.5	0.5
N	16	16	16	14	16	16
JUL MEAN	0.9	0.9	0.9	1.1	0.9	0.9
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.0	-1.0	-1.1	-1.0	-1.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7
AUG MEAN	0.9	0.9	0.9	1.0	0.9	0.9
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.2	-0.2	-0.2	-1.0	-0.2	-0.2
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2
SEP MEAN	1.0	1.0	1.0	1.1	1.0	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.0	-1.0	-1.0	-1.1	-1.0	-1.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	4	4	4	4
OCT MEAN	1.0	1.0	1.0	1.2	1.0	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.1	-1.1	-1.2	-1.1	-1.1
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	5	5	5	5	5	5
NOV MEAN	1.6	1.6	1.6	1.6	1.6	1.6
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0

STATION 3

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	2.5	2.4	1.5	6.4	6.7	6.6	10.8	12.0	11.7	11.0	12.0	11.7	11.0	12.0	11.7
90%	2.9	2.8	2.2	8.6	9.4	9.2	15.9	19.8	19.2	16.7	20.0	19.5	16.7	20.0	19.5
50%	2.5	2.2	1.4	6.4	6.8	6.6	11.3	12.0	11.8	11.0	11.5	11.2	11.0	11.5	11.2
10%	2.0	1.9	1.0	3.5	3.6	3.5	5.6	6.1	6.0	6.1	6.5	6.4	6.1	6.5	6.4
N	16	14	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	2.2	2.2	1.5	6.0	6.3	6.2	10.2	11.3	11.2	10.2	11.2	11.1	10.2	11.2	11.1
90%	2.9	2.9	2.1	8.6	9.3	9.2	16.0	19.5	19.2	16.2	18.9	18.6	16.2	18.9	18.6
50%	2.2	2.2	1.5	6.0	6.4	6.3	10.1	11.0	10.8	10.3	11.1	10.9	10.3	11.1	10.9
10%	1.3	1.2	1.0	3.7	3.8	3.7	5.8	5.9	5.8	5.5	5.8	5.7	5.5	5.8	5.7
N	23	22	41	42	42	41	42	42	42	42	42	42	42	42	42
MAR MEAN	1.0	0.9	1.2	1.7	1.6	1.6	1.9	1.9	1.8	2.0	2.1	2.0	2.0	2.0	1.9
90%	1.9	1.8	1.7	3.2	3.3	2.7	4.4	4.7	2.8	4.5	4.9	3.6	4.5	4.9	3.6
50%	0.1	0.1	1.2	1.5	1.4	1.4	1.6	1.5	1.5	1.1	1.6	1.6	1.6	1.6	1.5
10%	0.4	0.5	1.0	1.1	1.1	1.1	1.2	1.0	1.0	1.2	1.0	1.0	1.2	1.0	1.0
N	42	30	30	30	29	28	30	29	28	29	29	27	29	29	27
APR MEAN	0.4	0.9	1.3	2.3	2.4	2.4	3.0	2.9	2.9	2.8	2.7	2.7	2.8	2.7	2.7
90%	1.3	1.3	1.7	3.0	3.0	3.0	3.9	4.2	4.2	4.1	3.9	3.9	4.1	3.9	3.9
50%	0.4	0.4	1.3	2.3	2.4	2.4	2.8	2.7	2.7	2.8	2.7	2.7	2.7	2.6	2.6
10%	0.4	0.4	0.8	1.5	1.5	1.5	1.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
N	42	40	42	42	42	41	42	42	41	42	41	41	42	41	41
MAY MEAN	1.1	1.2	1.5	3.0	3.2	3.1	4.4	4.9	4.7	4.4	4.6	4.5	4.4	4.6	4.5
90%	1.4	1.4	1.9	4.2	4.3	4.1	6.0	6.8	6.7	6.1	6.6	6.6	6.1	6.6	6.6
50%	1.2	1.2	1.6	3.0	3.2	3.1	4.2	4.7	4.7	4.3	4.4	4.3	4.3	4.3	4.2
10%	0.8	0.8	1.2	2.3	2.4	2.4	2.7	3.0	3.0	2.7	2.9	2.9	2.7	2.9	2.9
N	42	41	42	42	42	41	42	42	41	42	41	41	42	41	41
JUN MEAN	1.3	1.3	1.6	3.3	3.5	3.4	5.3	5.4	5.2	5.2	5.7	5.5	5.2	5.7	5.5
90%	1.4	1.5	1.9	4.7	4.9	4.8	8.7	9.3	8.7	7.8	9.4	8.8	7.8	9.4	8.8
50%	1.3	1.3	1.5	3.2	3.4	3.3	4.9	4.9	4.7	4.9	4.9	4.9	4.9	4.9	4.9
10%	1.0	1.0	1.3	2.4	2.5	2.5	3.1	3.1	3.1	3.1	3.4	3.3	3.1	3.4	3.3
N	42	41	42	41	41	40	41	41	40	41	41	40	41	41	40
JUL MEAN	1.4	1.4	1.5	4.0	4.2	4.1	6.0	6.6	6.4	6.1	6.6	6.4	6.1	6.6	6.4
90%	1.7	1.6	1.9	5.5	5.9	5.6	8.9	9.7	9.1	8.6	9.5	8.5	8.6	9.5	8.5
50%	1.4	1.4	1.5	3.9	4.1	4.1	5.9	6.2	6.1	6.0	6.2	6.1	6.0	6.2	6.1
10%	1.2	1.2	1.3	2.5	2.6	2.6	3.2	3.6	3.5	3.3	3.2	3.1	3.3	3.2	3.1
N	42	40	42	42	42	41	42	42	41	42	42	41	42	42	41
AUG MEAN	1.6	1.6	1.6	4.5	4.7	4.5	7.0	7.6	7.2	7.0	7.9	7.5	7.0	7.9	7.5
90%	2.0	1.8	2.1	6.5	6.9	6.5	10.3	11.4	11.0	10.3	11.6	11.1	10.3	11.6	11.1
50%	1.5	1.5	1.6	4.1	4.3	4.2	6.3	6.8	6.5	6.8	7.1	6.8	6.8	7.1	6.8
10%	1.4	1.4	1.3	2.9	3.0	3.0	4.5	4.5	4.4	4.4	4.7	4.6	4.4	4.7	4.6
N	41	37	42	42	42	40	42	42	40	42	42	40	42	42	40
SEP MEAN	1.5	1.5	1.7	4.0	4.2	4.0	5.9	6.4	6.2	6.2	6.5	6.2	6.2	6.5	6.2
90%	1.9	1.8	2.1	6.5	6.9	5.6	9.0	10.0	9.6	9.3	9.9	9.3	9.3	9.9	9.3
50%	1.4	1.4	1.6	3.7	3.9	3.8	5.6	6.0	5.9	5.9	6.1	5.8	5.9	6.1	5.8
10%	1.3	1.3	1.4	2.7	2.8	2.7	3.9	3.9	3.8	4.0	3.9	3.8	4.0	3.9	3.8
N	41	39	42	42	42	40	42	41	41	42	42	41	42	42	41
OCT MEAN	1.5	1.5	1.7	3.7	3.8	3.8	5.0	5.4	5.3	5.2	5.6	5.5	5.2	5.6	5.5
90%	1.8	1.7	2.0	5.7	5.9	5.7	7.1	8.9	8.7	8.1	9.1	8.8	8.1	9.1	8.8
50%	1.4	1.4	1.7	3.2	3.3	3.3	4.8	4.9	4.9	4.9	5.3	5.2	4.9	5.3	5.2
10%	1.2	1.2	1.6	2.6	2.7	2.6	3.4	3.1	3.1	3.2	3.3	3.3	3.2	3.3	3.2
N	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	1.6	1.6	1.7	4.5	4.7	4.6	6.7	7.2	7.1	6.7	7.2	7.0	6.7	7.2	7.0
90%	1.8	1.8	2.0	6.2	6.5	6.4	9.2	10.7	10.5	9.4	10.7	10.6	9.4	10.7	10.6
50%	1.6	1.6	1.7	4.3	4.6	4.5	6.8	6.6	6.5	7.0	7.3	7.2	7.0	7.3	7.2
10%	1.4	1.4	1.6	3.0	3.1	3.0	3.8	3.9	3.9	3.9	4.0	4.0	3.9	4.0	4.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	2.1	2.1	1.7	5.3	5.6	5.5	8.7	9.5	9.4	8.9	9.5	9.3	8.9	9.5	9.3
90%	2.7	2.7	2.1	7.0	7.5	7.3	12.5	15.4	15.1	13.3	15.0	14.7	13.3	15.0	14.7
50%	2.2	2.2	1.6	5.2	5.5	5.4	8.6	8.9	8.7	8.9	9.3	9.2	8.9	9.3	9.2
10%	1.6	1.6	1.4	3.5	3.5	3.5	5.1	5.2	5.1	5.3	5.2	5.1	5.3	5.2	5.1
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 3 SCENARIO SUMMARY LISTING FCF PERON IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	2.5	6.4	10.9	11.1	10.9	12.2
90%	2.9	8.7	16.1	16.9	16.1	20.2
50%	2.2	6.2	11.4	11.1	11.4	12.2
10%	2.0	3.6	5.7	6.2	5.7	6.2
N	16	42	42	42	42	42
FEB MEAN	2.2	6.0	10.2	10.3	10.2	11.4
90%	2.9	8.7	16.1	16.3	16.1	19.7
50%	2.2	6.1	10.1	10.3	10.1	11.1
10%	1.3	3.7	5.9	5.5	5.9	5.9
N	23	42	42	42	42	42
MAR MEAN	1.1	2.2	2.9	3.1	2.9	3.1
90%	1.9	3.9	5.7	6.0	5.7	5.9
50%	0.2	1.6	1.8	2.0	1.8	1.9
10%	0.5	1.1	1.2	1.3	1.2	1.2
N	40	42	42	42	42	42
APR MEAN	0.9	2.3	3.0	2.9	3.0	3.0
90%	1.4	3.1	4.1	4.2	4.1	4.4
50%	0.3	2.4	2.9	2.8	2.9	2.7
10%	0.4	1.5	1.7	1.5	1.7	1.5
N	42	42	42	42	42	42
MAY MEAN	1.2	3.1	4.5	4.5	4.5	5.0
90%	1.4	4.3	6.2	6.3	6.2	7.0
50%	1.2	3.1	4.3	4.4	4.3	4.8
10%	0.8	2.3	2.7	2.7	2.7	3.0
N	42	42	42	42	42	42
JUN MEAN	1.3	3.4	5.3	5.2	5.3	5.5
90%	1.5	4.7	8.9	8.9	8.9	9.5
50%	1.3	3.3	5.0	5.0	5.0	4.9
10%	1.0	2.4	3.1	3.1	3.1	3.1
N	42	41	41	41	41	41
JUL MEAN	1.4	4.0	6.1	6.2	6.1	6.8
90%	1.3	5.6	9.1	8.8	9.1	9.9
50%	1.4	4.0	6.1	6.1	6.1	6.4
10%	1.2	2.5	3.2	3.3	3.2	3.7
N	42	42	42	42	42	42
AUG MEAN	1.6	4.6	7.2	7.2	7.2	7.9
90%	2.1	6.7	10.7	10.6	10.7	11.9
50%	1.5	4.2	6.4	6.2	6.4	7.0
10%	1.4	3.0	4.6	4.5	4.6	4.6
N	41	42	42	42	42	42
SEP MEAN	1.5	4.2	6.1	6.4	6.1	6.9
90%	1.9	6.8	9.4	9.7	9.4	11.0
50%	1.4	3.8	5.8	6.1	5.8	6.4
10%	1.3	2.8	4.0	4.0	4.0	4.0
N	41	42	42	42	42	42
OCT MEAN	1.5	3.7	5.0	5.2	5.0	5.4
90%	1.9	5.7	7.2	8.2	7.2	9.2
50%	1.4	3.2	4.8	4.9	4.8	5.0
10%	1.2	2.6	3.4	3.2	3.4	3.1
N	42	42	42	42	42	42
NOV MEAN	1.6	4.5	6.7	6.8	6.7	7.3
90%	1.8	6.3	9.3	9.5	9.3	10.8
50%	1.6	4.4	6.9	7.1	6.9	6.7
10%	1.4	3.0	3.8	4.0	3.8	3.9
N	42	42	42	42	42	42
DEC MEAN	2.1	5.4	8.8	9.0	8.8	9.7
90%	2.7	7.0	12.6	13.4	12.6	15.7
50%	2.1	5.3	8.7	9.0	8.7	9.0
10%	1.6	3.5	5.2	5.3	5.2	5.2
N	42	42	42	42	42	42

STATION 4

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9	1.0	1.0	0.7	0.7	0.7
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-0.9	-0.9	-0.9	-0.7	-0.7	-0.7
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3	3	3	3	8	8	8	8	8	8
FEB MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.0	1.0	1.0
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0	-1.0	-0.7	-0.7	-0.7
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.6	0.6	0.6
N	7	7	7	7	7	7	7	7	7	11	11	11	11	11	11
MAR MEAN	0.7	0.8	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9	0.7	0.7	0.7
90%	0.9	1.1	1.1	1.1	1.4	1.4	1.1	1.4	1.4	1.1	1.1	1.1	0.8	0.8	0.8
50%	-0.7	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7	-0.7
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.7	0.6	0.6
N	38	37	37	37	37	37	37	37	37	39	39	39	39	39	39
APR MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.7	0.7	0.7
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	0.8	0.8	0.8
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.9	-0.9	-0.9	-0.7	-0.7	-0.7
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	0.3	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.7	0.7	0.7
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	0.8	0.8	0.8
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7	-0.7
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.7	0.7
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	0.8	0.8	0.8
50%	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.7	-0.7	-0.7
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.7	0.7	0.7
90%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.8	0.8	0.8
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9	-0.7	-0.7	-0.7
10%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6
N	33	33	33	33	33	33	33	33	33	42	42	42	42	42	42
AUG MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.7	0.7	0.7
90%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	0.7	0.7	0.7
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9	-0.7	-0.7	-0.7
10%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.7	0.7	0.6	0.6	0.6
N	19	19	19	19	19	19	19	19	19	37	37	37	37	37	37
SEP MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.7	0.7	0.7
90%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	0.8	0.8	0.8
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9	-0.7	-0.7	-0.7
10%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.7	0.7	0.6	0.6	0.6
N	16	16	16	16	16	16	16	16	16	38	38	38	38	38	38
OCT MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7
90%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.8	0.8	0.8
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.7	-0.7	-0.7
10%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.7	0.7	0.6	0.6	0.6
N	35	35	35	35	35	35	35	35	35	42	42	42	42	42	42
NOV MEAN	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	0.7	0.7	0.7
90%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.8	0.8	0.8
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0	-1.0	-0.7	-0.7	-0.7
10%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.6	0.6	0.6
N	40	40	40	40	40	40	40	40	40	42	42	42	42	42	42
DEC MEAN	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9	1.0	1.0	0.7	0.7	0.7
90%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.2	1.1	0.8	0.8	0.8
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-0.9	-1.0	-1.0	-0.7	-0.7	-0.7
10%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7	0.7	0.6	0.6	0.6
N	19	19	19	19	19	19	19	19	19	40	40	40	40	40	40

STATION 4

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	1.1	1.1	1.1	0.9	1.1	1.1
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	1.1	1.1	1.1	0.9	1.1	1.1
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	8	3	3
FEB MEAN	1.0	1.0	1.0	1.0	1.0	1.0
90%	0.0	0.0	0.0	1.2	0.0	0.0
50%	1.1	1.1	1.1	1.0	1.1	1.1
10%	0.0	0.0	0.0	0.8	0.0	0.0
N	7	7	7	11	7	7
MAR MEAN	0.8	0.8	0.8	0.9	0.7	0.7
90%	1.4	1.4	1.4	1.1	0.9	0.9
50%	0.8	0.8	0.8	0.9	0.7	0.7
10%	0.6	0.6	0.6	0.8	0.6	0.6
N	37	37	37	39	37	37
APR MEAN	0.7	0.7	0.7	0.9	0.7	0.7
90%	0.9	0.9	0.9	1.1	0.9	0.9
50%	0.7	0.7	0.7	0.9	0.7	0.7
10%	0.6	0.6	0.6	0.7	0.6	0.6
N	42	42	42	42	42	42
MAY MEAN	0.8	0.8	0.8	0.9	0.8	0.8
90%	0.9	0.9	0.9	1.1	0.9	0.9
50%	0.8	0.8	0.8	0.9	0.8	0.8
10%	0.7	0.7	0.7	0.7	0.7	0.7
N	42	42	42	42	42	42
JUN MEAN	0.9	0.9	0.9	0.9	0.9	0.9
90%	1.0	1.0	1.0	1.1	1.0	1.0
50%	0.9	0.9	0.9	0.9	0.9	0.9
10%	0.7	0.7	0.7	0.7	0.7	0.7
N	42	42	42	42	42	42
JUL MEAN	1.0	1.0	1.0	0.9	1.0	1.0
90%	1.1	1.1	1.1	1.1	1.1	1.1
50%	1.0	1.0	1.0	0.9	1.0	1.0
10%	0.8	0.8	0.8	0.7	0.8	0.8
N	33	33	33	42	33	33
AUG MEAN	1.0	1.0	1.0	0.9	1.0	1.0
90%	1.2	1.2	1.2	1.1	1.2	1.2
50%	1.0	1.0	1.0	0.9	1.0	1.0
10%	0.9	0.9	0.9	0.7	0.9	0.9
N	19	19	19	37	19	19
SEP MEAN	1.0	1.0	1.0	0.9	1.0	1.0
90%	1.2	1.2	1.2	1.1	1.2	1.2
50%	1.0	1.0	1.0	0.9	1.0	1.0
10%	0.9	0.9	0.9	0.7	0.9	0.9
N	16	16	16	38	16	16
OCT MEAN	1.0	1.0	1.0	1.0	1.0	1.0
90%	1.1	1.1	1.1	1.1	1.1	1.1
50%	1.0	1.0	1.0	1.0	1.0	1.0
10%	0.9	0.9	0.9	0.7	0.9	0.9
N	35	35	35	42	35	35
NOV MEAN	1.1	1.1	1.1	1.0	1.1	1.1
90%	1.2	1.2	1.2	1.2	1.2	1.2
50%	1.1	1.1	1.1	1.0	1.1	1.1
10%	1.0	1.0	1.0	0.7	1.0	1.0
N	40	40	40	42	40	40
DEC MEAN	1.1	1.1	1.1	0.9	1.1	1.1
90%	1.2	1.2	1.2	1.1	1.2	1.2
50%	1.1	1.1	1.1	0.9	1.1	1.1
10%	1.0	1.0	1.0	0.7	1.0	1.0
N	19	19	19	40	19	19

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

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STATION 5

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
MAR MEAN	0.7	0.7	0.7	0.9	0.7	0.7
90%	0.8	0.8	0.8	1.5	0.8	0.8
50%	0.6	0.6	0.6	0.6	0.6	0.6
10%	0.6	0.6	0.6	0.6	0.6	0.6
N	25	25	25	22	25	25
APR MEAN	0.7	0.7	0.7	0.8	0.7	0.7
90%	0.8	0.8	0.8	1.5	0.8	0.8
50%	0.6	0.6	0.6	0.6	0.6	0.6
10%	0.6	0.6	0.6	0.6	0.6	0.6
N	27	27	27	23	27	27
MAY MEAN	0.7	0.7	0.7	0.8	0.7	0.7
90%	0.8	0.8	0.8	0.9	0.8	0.8
50%	0.7	0.7	0.7	0.7	0.7	0.7
10%	0.7	0.7	0.7	0.7	0.7	0.7
N	10	10	10	10	10	10
JUN MEAN	0.7	0.7	0.7	0.8	0.7	0.7
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7
JUL MEAN	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2
AUG MEAN	1.0	1.0	1.0	1.0	1.0	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	1.0	1.0	1.0	1.0	1.0	1.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2
SEP MEAN	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.8	0.8	0.8	0.8	0.8	0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0

STATION 6

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB	MEAN	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MAR	MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	90%	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
	10%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	N	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
APR	MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	90%	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	50%	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9
	10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY	MEAN	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	90%	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	50%	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5
	10%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN	MEAN	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	90%	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	50%	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7
	10%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
JUL	MEAN	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	50%	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
	10%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	N	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
AUG	MEAN	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
	10%	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	N	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
SEP	MEAN	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	50%	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6
	10%	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	N	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
OCT	MEAN	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	50%	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4
	10%	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	N	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
NOV	MEAN	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
DEC	MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 6

SCENARIO SUMMARY LISTING FOR PORON IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
FEB MEAN	2.0	2.0	2.0	2.0	2.0	2.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3
MAR MEAN	0.9	0.9	0.9	0.9	0.9	0.9
90%	1.4	1.4	1.4	1.4	1.4	1.4
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
10%	0.4	0.4	0.4	0.4	0.4	0.4
N	37	37	37	37	37	37
APR MEAN	1.0	1.0	1.0	1.0	1.0	1.0
90%	1.7	1.7	1.7	1.7	1.7	1.7
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.5	0.5	0.5	0.5	0.5	0.5
N	42	42	42	42	42	42
MAY MEAN	1.5	1.5	1.5	1.5	1.5	1.5
90%	1.9	1.9	1.9	1.9	1.9	1.9
50%	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5
10%	0.9	0.9	0.9	0.9	0.9	0.9
N	42	42	42	42	42	42
JUN MEAN	1.7	1.7	1.7	1.7	1.7	1.7
90%	2.6	2.6	2.6	2.6	2.6	2.6
50%	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7
10%	0.9	0.9	0.9	0.9	0.9	0.9
N	40	40	40	40	40	40
JUL MEAN	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.8	2.8	2.8	2.8	2.8	2.8
50%	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
10%	1.1	1.1	1.1	1.1	1.1	1.1
N	32	32	32	32	32	32
AUG MEAN	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.8	2.8	2.8	2.8	2.8	2.8
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	1.3	1.3	1.3	1.3	1.3	1.3
N	14	14	14	14	14	14
SEP MEAN	2.3	2.3	2.3	2.3	2.3	2.3
90%	2.8	2.8	2.8	2.8	2.8	2.8
50%	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6
10%	1.4	1.4	1.4	1.4	1.4	1.4
N	11	11	11	11	11	11
OCT MEAN	2.4	2.4	2.4	2.4	2.4	2.4
90%	2.8	2.8	2.8	2.8	2.8	2.8
50%	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5
10%	2.0	2.0	2.0	2.0	2.0	2.0
N	28	28	28	28	28	28
NOV MEAN	2.2	2.2	2.2	2.2	2.2	2.2
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0

STATION 7		SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L													
MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	1.2	1.6	1.6	1.6	1.6	1.7	1.6	1.6	1.7	1.9	1.9	1.7	1.8	1.8	1.7
90%	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0	1.6
50%	-1.2	-1.4	-1.4	-1.4	-1.4	-1.6	-1.4	-1.4	-1.6	-2.1	-2.1	-1.6	-2.1	-2.1	-1.6
10%	0.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0	1.6
N	2	4	4	4	4	42	4	4	42	3	3	39	3	3	39
FEB MEAN	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.6	1.4	1.4	1.5
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.5	-1.1	-1.1	-1.2
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	6	7	7	7	7	7	7	7	7	5	5	6	5	5	6
MAR MEAN	0.7	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.9	0.8	0.9	0.9	0.7	0.8	0.8
90%	1.1	1.1	1.1	1.1	1.3	1.5	1.1	1.3	1.5	1.1	1.1	1.3	0.9	1.1	1.2
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.7	-0.7	-0.8	-0.8	-0.8	-0.8	-0.7	-0.7	-0.7
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5
N	38	37	37	37	38	38	37	38	38	37	38	38	37	38	38
APR MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.7
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8	-0.8	-0.7	-0.7	-0.7
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5	0.5	0.5
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.9	0.9
90%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.1	1.1	1.1
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-1.0	-1.0	-1.0	-0.2	-0.2	-0.2
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6
N	42	42	42	42	42	41	42	42	41	42	42	41	42	42	41
JUN MEAN	1.1	1.0	1.0	1.0	1.0	0.9	1.0	1.0	0.9	1.1	1.0	1.0	1.0	0.9	0.9
90%	1.5	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.2	1.4	1.3	1.1	1.2	1.2	1.1
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.1	-1.1	-1.0	-1.0	-1.0	-0.9
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6
N	42	34	34	34	33	25	34	33	25	33	28	22	33	28	22
JUL MEAN	1.4	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8
90%	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.4	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.8	-0.8	-0.8	-0.8	-0.8	-0.7
10%	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	38	9	9	9	9	7	9	9	7	8	8	5	8	8	5
AUG MEAN	1.5	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.1	1.1	1.1	1.1	1.0	1.0	1.0
90%	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.4	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0	-1.0
10%	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	21	3	3	3	3	3	3	3	3	3	3	2	3	3	2
SEP MEAN	1.7	1.2	1.2	1.2	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.3	1.0	1.0	1.2
90%	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.4	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.3	-1.0	-1.0	-1.2
10%	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	21	3	3	3	2	2	3	2	2	2	2	1	2	2	1
OCT MEAN	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.5	1.5	1.5
90%	1.5	2.3	2.3	2.3	2.2	2.1	2.3	2.2	2.1	2.2	2.1	2.0	2.2	2.1	2.0
50%	-1.4	-1.4	-1.4	-1.4	-1.4	-1.5	-1.4	-1.4	-1.5	-1.5	-1.5	-1.5	-1.4	-1.4	-1.4
10%	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.3	1.3	1.3	1.4	1.2	1.2	1.3
N	35	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	1.2	1.3	1.3	1.3	1.3	1.4	1.3	1.3	1.4	1.3	1.4	1.4	1.2	1.3	1.3
90%	1.4	1.4	1.4	1.4	1.5	1.5	1.4	1.5	1.5	2.1	2.1	2.0	2.0	2.1	2.0
50%	-1.2	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.1	-1.2	-1.2
10%	1.0	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.2	1.0	1.1	1.1	0.9	0.9	1.0
N	40	40	40	40	42	42	40	42	42	40	42	42	40	42	42
DEC MEAN	1.6	1.8	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.8	1.8	1.7	1.8	1.7	1.7
90%	2.8	2.5	2.5	2.5	2.5	2.3	2.5	2.5	2.3	2.4	2.3	2.2	2.4	2.3	2.2
50%	-1.2	-1.3	-1.3	-1.3	-1.3	-1.6	-1.3	-1.3	-1.6	-2.2	-1.9	-1.6	-2.2	-1.8	-1.6
10%	1.0	1.2	1.2	1.2	1.2	1.3	1.2	1.2	1.3	1.0	1.0	0.9	0.9	0.9	1.0
N	19	33	33	33	33	42	33	33	42	27	30	35	27	30	35

STATION 7

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	1.2	1.2	1.2	1.6	1.2	1.2
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.2	-1.2	-1.2	-1.6	-1.2	-1.2
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2
FEB MEAN	1.2	1.2	1.2	1.4	1.2	1.2
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.1	-1.1	-1.2	-1.1	-1.1
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	6	6	6	5	6	6
MAR MEAN	0.8	0.8	0.8	0.9	0.8	0.8
90%	1.1	1.4	1.4	1.1	1.2	1.2
50%	-0.7	-0.7	-0.7	-0.8	-0.7	-0.7
10%	0.5	0.5	0.5	0.6	0.5	0.5
N	37	38	38	38	38	38
APR MEAN	0.7	0.7	0.7	0.8	0.7	0.7
90%	1.0	1.0	1.0	1.0	1.0	1.0
50%	-0.7	-0.7	-0.7	-0.8	-0.7	-0.7
10%	0.5	0.5	0.5	0.6	0.5	0.5
N	42	42	42	42	42	42
MAY MEAN	0.9	0.9	0.9	0.9	0.9	0.9
90%	1.1	1.1	1.1	1.2	1.1	1.1
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.7	0.7	0.7	0.7	0.7	0.7
N	42	42	42	42	42	42
JUN MEAN	1.1	1.1	1.1	1.2	1.1	1.1
90%	1.5	1.5	1.5	1.6	1.5	1.5
50%	-1.0	-1.0	-1.0	-1.1	-1.0	-1.0
10%	0.7	0.7	0.7	0.7	0.7	0.7
N	42	42	42	42	42	42
JUL MEAN	1.4	1.4	1.4	1.5	1.4	1.4
90%	2.8	2.8	2.8	2.6	2.8	2.8
50%	-1.4	-1.4	-1.4	-1.5	-1.4	-1.4
10%	0.8	0.8	0.8	0.8	0.8	0.8
N	38	38	38	38	38	38
AUG MEAN	1.5	1.5	1.5	1.5	1.5	1.5
90%	2.4	2.4	2.4	2.3	2.4	2.4
50%	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
10%	1.0	1.0	1.0	1.0	1.0	1.0
N	21	21	21	20	21	21
SEP MEAN	1.7	1.7	1.7	1.8	1.7	1.7
90%	2.6	2.6	2.6	2.6	2.6	2.6
50%	-1.4	-1.4	-1.4	-1.5	-1.4	-1.4
10%	1.1	1.1	1.1	1.2	1.1	1.1
N	21	21	21	21	21	21
OCT MEAN	1.4	1.4	1.4	1.5	1.4	1.4
90%	1.5	1.5	1.5	1.7	1.5	1.5
50%	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
10%	1.2	1.2	1.2	1.3	1.2	1.2
N	35	35	35	35	35	35
NOV MEAN	1.2	1.2	1.2	1.3	1.2	1.2
90%	1.4	1.4	1.4	2.3	1.4	1.4
50%	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2
10%	1.0	1.0	1.0	0.9	1.0	1.0
N	40	40	40	37	40	40
DEC MEAN	1.6	1.6	1.6	1.5	1.6	1.6
90%	2.8	2.8	2.8	2.6	2.8	2.8
50%	-1.2	-1.2	-1.2	-1.1	-1.2	-1.2
10%	1.0	1.0	1.0	0.6	1.0	1.0
N	19	19	19	13	19	19

STATION 8

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	1.8	1.7	1.6	3.6	3.7	3.3	5.5	5.8	5.2	5.6	5.8	5.2	5.6	5.8	5.2
90%	2.2	2.0	2.0	4.9	5.0	4.5	8.7	9.7	8.2	8.6	9.4	8.3	8.6	9.4	8.3
50%	<u>1.1</u>	<u>1.1</u>	<u>1.6</u>	<u>3.1</u>	<u>3.8</u>	<u>3.2</u>	<u>5.5</u>	<u>5.8</u>	<u>5.2</u>	<u>5.9</u>	<u>6.0</u>	<u>5.3</u>	<u>5.9</u>	<u>6.0</u>	<u>5.2</u>
10%	1.6	1.6	1.3	2.0	2.0	1.9	2.3	2.5	2.4	2.4	2.5	2.4	2.4	2.5	2.4
N	37	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	1.8	1.7	1.6	3.8	3.9	3.6	5.9	6.4	5.8	6.0	6.4	5.8	6.0	6.4	5.8
90%	2.3	2.1	1.9	5.7	5.9	5.3	10.3	11.4	10.2	10.0	11.2	9.9	10.0	11.2	9.9
50%	<u>1.1</u>	<u>1.1</u>	<u>1.6</u>	<u>4.1</u>	<u>4.1</u>	<u>3.5</u>	<u>6.2</u>	<u>6.5</u>	<u>5.9</u>	<u>6.2</u>	<u>6.6</u>	<u>6.0</u>	<u>6.2</u>	<u>6.6</u>	<u>6.5</u>
10%	1.4	1.4	1.2	2.0	2.0	1.9	2.4	2.4	2.3	2.4	2.4	2.3	2.3	2.3	2.3
N	34	41	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.9
90%	1.4	1.1	1.1	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.5	1.3	1.4	1.5
50%	<u>0.7</u>	<u>0.7</u>	<u>0.8</u>	<u>0.9</u>	<u>0.9</u>	<u>0.8</u>	<u>0.9</u>	<u>0.9</u>	<u>0.8</u>	<u>1.0</u>	<u>1.0</u>	<u>1.0</u>	<u>0.9</u>	<u>0.9</u>	<u>0.9</u>
10%	0.5	0.5	0.7	0.7	0.7	0.6	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7
N	41	34	30	30	28	24	30	28	24	27	26	23	27	26	23
APR MEAN	0.8	0.8	0.9	1.2	1.2	1.2	1.4	1.4	1.4	1.4	1.3	1.2	1.3	1.2	1.2
90%	1.1	1.1	1.2	1.7	1.7	1.7	2.1	2.1	2.1	1.9	1.7	1.7	1.8	1.6	1.6
50%	<u>0.3</u>	<u>0.8</u>	<u>0.9</u>	<u>1.2</u>	<u>1.1</u>	<u>1.1</u>	<u>1.3</u>	<u>1.2</u>	<u>1.2</u>	<u>1.2</u>	<u>1.2</u>	<u>1.2</u>	<u>1.1</u>	<u>1.1</u>	<u>1.1</u>
10%	0.5	0.5	0.7	0.9	0.9	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8
N	42	41	42	42	41	41	42	41	41	41	41	41	41	41	41
MAY MEAN	1.0	1.0	1.1	1.5	1.6	1.6	1.9	2.1	2.1	1.9	2.0	2.0	1.9	1.9	1.9
90%	1.2	1.3	1.4	2.0	2.1	2.1	2.9	3.1	3.4	2.7	3.4	3.3	2.7	3.4	3.3
50%	<u>1.0</u>	<u>1.1</u>	<u>1.1</u>	<u>1.5</u>	<u>1.5</u>	<u>1.5</u>	<u>1.8</u>	<u>2.0</u>	<u>2.0</u>	<u>1.8</u>	<u>1.9</u>	<u>1.8</u>	<u>1.8</u>	<u>1.8</u>	<u>1.7</u>
10%	0.7	0.7	0.8	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
N	42	41	41	41	41	39	41	41	39	41	41	38	41	41	38
JUN MEAN	1.1	1.1	1.2	1.7	1.8	1.5	2.3	2.3	1.9	2.4	2.4	2.0	2.3	2.4	2.0
90%	1.4	1.4	1.5	2.4	2.6	2.1	3.7	3.8	2.8	3.9	3.9	2.9	3.9	3.9	2.9
50%	<u>1.1</u>	<u>1.2</u>	<u>1.3</u>	<u>1.7</u>	<u>1.7</u>	<u>1.6</u>	<u>2.1</u>	<u>2.1</u>	<u>1.9</u>	<u>2.2</u>	<u>2.2</u>	<u>2.1</u>	<u>2.2</u>	<u>2.2</u>	<u>2.1</u>
10%	0.8	0.8	0.9	0.9	0.9	0.8	1.0	1.0	0.8	1.0	1.0	0.9	1.0	1.0	0.8
N	42	36	37	37	37	30	37	37	30	36	35	29	36	35	29
JUL MEAN	1.3	1.2	1.2	2.0	2.0	1.5	2.6	2.6	1.7	2.7	2.7	1.7	2.6	2.6	1.6
90%	1.6	1.5	1.5	3.1	2.9	2.4	4.2	4.0	2.4	4.3	4.2	2.6	4.3	4.2	2.6
50%	<u>1.3</u>	<u>1.3</u>	<u>1.3</u>	<u>1.9</u>	<u>1.9</u>	<u>1.4</u>	<u>2.6</u>	<u>2.5</u>	<u>1.6</u>	<u>2.6</u>	<u>2.7</u>	<u>1.6</u>	<u>2.6</u>	<u>2.7</u>	<u>1.5</u>
10%	0.9	0.8	0.8	1.1	1.1	0.9	1.3	1.3	0.9	1.3	1.3	0.9	1.3	1.3	0.9
N	42	22	23	23	22	12	24	22	11	24	21	11	24	21	11
AUG MEAN	1.5	1.4	1.5	2.7	2.5	1.9	3.9	3.3	2.3	3.9	3.5	2.5	3.9	3.5	2.5
90%	1.8	1.6	1.7	3.4	3.2	0.0	5.6	4.3	0.0	5.6	5.4	0.0	5.6	5.4	0.0
50%	<u>1.5</u>	<u>1.5</u>	<u>1.5</u>	<u>2.7</u>	<u>2.4</u>	<u>1.7</u>	<u>4.1</u>	<u>3.2</u>	<u>2.0</u>	<u>3.9</u>	<u>3.0</u>	<u>2.0</u>	<u>3.9</u>	<u>3.0</u>	<u>2.0</u>
10%	1.2	1.1	1.3	2.1	1.8	0.0	2.7	2.3	0.0	2.6	2.3	0.0	2.6	2.3	0.0
N	42	13	19	20	12	3	20	12	3	20	11	3	20	11	3
SEP MEAN	1.5	1.5	1.6	2.8	2.8	2.3	3.8	3.7	3.0	4.0	3.8	3.1	4.0	3.8	3.1
90%	1.8	1.7	1.7	3.7	3.6	0.0	5.5	5.2	0.0	5.7	5.5	0.0	5.7	5.5	0.0
50%	<u>1.5</u>	<u>1.5</u>	<u>1.6</u>	<u>2.9</u>	<u>2.9</u>	<u>2.6</u>	<u>3.6</u>	<u>3.8</u>	<u>3.5</u>	<u>3.8</u>	<u>3.9</u>	<u>3.6</u>	<u>3.8</u>	<u>3.9</u>	<u>3.6</u>
10%	1.3	1.2	1.3	1.7	1.6	0.0	1.9	1.7	0.0	2.0	2.0	0.0	2.0	2.0	0.0
N	42	26	26	26	23	3	26	24	3	26	24	3	26	24	3
OCT MEAN	1.4	1.5	1.6	2.4	2.4	2.3	2.9	3.0	2.9	3.1	3.2	3.0	3.1	3.2	3.0
90%	1.6	1.6	1.8	3.5	3.5	3.2	4.0	4.6	4.2	4.2	4.8	4.4	4.2	4.7	4.3
50%	<u>1.4</u>	<u>1.5</u>	<u>1.6</u>	<u>2.3</u>	<u>2.3</u>	<u>2.2</u>	<u>2.8</u>	<u>2.9</u>	<u>2.8</u>	<u>3.2</u>	<u>3.2</u>	<u>3.0</u>	<u>3.2</u>	<u>3.2</u>	<u>3.0</u>
10%	1.2	1.2	1.3	1.6	1.6	1.6	1.8	1.8	1.7	1.9	1.9	1.9	1.8	1.9	1.8
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	1.5	1.5	1.5	2.4	2.5	2.4	3.1	3.2	3.1	3.2	3.3	3.1	3.2	3.3	3.1
90%	1.6	1.6	1.8	3.7	3.9	3.7	5.0	5.3	5.0	4.4	5.0	4.8	4.4	5.0	4.7
50%	<u>1.5</u>	<u>1.5</u>	<u>1.5</u>	<u>2.3</u>	<u>2.3</u>	<u>2.3</u>	<u>2.8</u>	<u>2.9</u>	<u>2.8</u>	<u>3.0</u>	<u>3.1</u>	<u>3.0</u>	<u>3.0</u>	<u>3.1</u>	<u>2.9</u>
10%	1.3	1.3	1.3	1.7	1.7	1.7	1.9	1.9	1.8	2.0	2.0	1.9	1.9	1.9	1.9
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	1.8	1.8	1.6	2.9	2.9	2.8	4.1	4.3	3.9	4.3	4.4	4.0	4.2	4.4	4.0
90%	2.2	2.2	2.0	4.2	4.3	4.0	6.6	7.2	6.5	7.4	7.3	6.5	7.4	7.3	6.5
50%	<u>1.8</u>	<u>1.8</u>	<u>1.6</u>	<u>2.9</u>	<u>2.7</u>	<u>2.5</u>	<u>3.4</u>	<u>3.5</u>	<u>3.3</u>	<u>3.6</u>	<u>3.6</u>	<u>3.4</u>	<u>3.6</u>	<u>3.6</u>	<u>3.4</u>
10%	1.4	1.4	1.4	1.9	1.9	1.9	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 8

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	1.8	4.3	6.9	7.0	6.9	7.6
90%	2.2	6.2	11.6	11.8	11.6	12.8
50%	1.1	4.2	6.9	7.2	6.9	7.7
10%	1.6	2.1	2.5	2.6	2.5	2.7
N	37	42	42	42	42	42
FEB MEAN	1.8	4.3	6.9	7.0	6.9	7.6
90%	2.3	6.8	12.1	12.3	12.1	14.4
50%	1.1	4.6	7.1	7.1	7.1	7.5
10%	1.4	2.1	2.5	2.5	2.5	2.6
N	34	42	42	42	42	42
MAR MEAN	0.8	1.4	1.9	2.0	1.8	1.9
90%	1.2	3.0	4.2	4.4	4.0	4.3
50%	0.7	1.1	1.1	1.2	1.1	1.1
10%	0.5	0.7	0.7	0.8	0.7	0.7
N	37	42	42	39	42	42
APR MEAN	0.3	1.2	1.4	1.4	1.4	1.4
90%	1.1	1.7	2.1	2.0	2.1	2.1
50%	0.3	1.2	1.3	1.2	1.3	1.2
10%	0.5	0.9	0.9	0.9	0.9	0.8
N	42	42	42	42	42	42
MAY MEAN	1.0	1.5	1.9	1.9	1.9	2.0
90%	1.2	2.0	2.7	2.7	2.7	2.8
50%	1.2	1.5	1.8	1.8	1.8	2.0
10%	0.7	1.0	1.1	1.1	1.1	1.1
N	42	42	42	41	42	42
JUN MEAN	1.1	1.8	2.4	2.6	2.4	2.5
90%	1.4	2.6	4.1	4.5	4.1	3.7
50%	1.1	1.7	2.2	2.3	2.2	2.1
10%	0.8	1.0	1.1	1.1	1.1	1.1
N	42	42	42	42	42	42
JUL MEAN	1.3	2.6	3.6	3.8	3.6	3.9
90%	1.6	4.0	6.5	6.4	6.5	6.8
50%	1.3	2.5	3.6	3.8	3.6	3.9
10%	0.9	1.2	1.4	1.5	1.4	1.5
N	42	42	42	42	42	42
AUG MEAN	1.5	3.5	5.1	5.2	5.1	5.5
90%	1.8	5.4	8.2	8.2	8.2	8.9
50%	1.5	3.1	4.8	5.1	4.8	5.4
10%	1.2	1.9	2.7	2.7	2.7	2.7
N	42	42	42	42	42	42
SEP MEAN	1.5	3.2	4.6	4.8	4.6	5.1
90%	1.8	4.6	6.5	7.1	6.5	7.6
50%	1.5	3.2	4.6	4.8	4.6	5.0
10%	1.3	1.7	2.1	2.2	2.1	2.4
N	42	42	42	42	42	42
OCT MEAN	1.4	2.6	3.3	3.5	3.3	3.5
90%	1.6	3.8	4.8	5.1	4.8	5.6
50%	1.4	2.9	3.1	3.5	3.1	3.2
10%	1.2	1.6	1.8	1.9	1.8	1.8
N	42	41	41	41	41	41
NOV MEAN	1.5	2.6	3.4	3.5	3.4	3.6
90%	1.6	4.1	5.5	5.1	5.5	6.2
50%	1.5	2.4	3.0	3.2	3.0	3.1
10%	1.3	1.7	1.9	2.0	1.9	1.9
N	42	42	42	42	42	42
DEC MEAN	1.8	3.2	4.7	4.9	4.7	5.1
90%	2.2	4.8	8.3	8.7	8.3	9.2
50%	1.8	2.8	3.7	4.0	3.7	4.0
10%	1.4	2.0	2.4	2.3	2.4	2.4
N	42	42	42	42	42	42

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	0.6	1.0	1.0	0.9	1.0	1.0	0.9	1.0	1.0	0.9	1.0	1.0	0.6	0.6	0.6
90%	0.8	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7
50%	-0.6	-0.7	-0.7	-0.8	-0.9	-1.0	-0.8	-0.9	-1.0	-0.8	-1.0	-1.0	-0.6	-0.6	-0.6
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
N	28	22	22	27	27	27	27	27	27	27	27	27	27	27	27
APR MEAN	0.6	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.9	0.9	0.9	0.6	0.6	0.6
90%	0.8	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	0.8	0.8	0.8
50%	-0.6	-0.7	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7	-0.7	-0.6	-0.6	-0.6
10%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
N	35	32	32	35	35	35	35	35	35	35	35	35	35	35	35
MAY MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.7	0.7	0.7
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.2	1.2	0.8	0.8	0.8
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.7	-0.7	-0.7
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6
N	28	28	28	28	28	28	28	28	28	21	21	21	21	21	21
JUN MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.7	0.7	0.7
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.2	1.2	0.9	0.9	0.9
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.8	-0.8	-0.8
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
N	21	20	20	21	21	21	21	21	21	20	20	20	20	20	20
JUL MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	0.9	0.9	0.9
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.8	-0.8	-0.8
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
N	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
AUG MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9	-0.9	-0.8	-0.8	-0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
SEP MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
OCT MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.0	1.0	0.8	0.9	0.9
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-1.1	-1.0	-1.0	-0.8	-0.9	-0.9
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	1	2	2	1	2	2
NOV MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	1.0	1.0	0.8	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-1.0	-1.0	-0.8	-0.8	-0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 9

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
MAR MEAN	1.0	0.9	0.9	0.9	0.6	0.6
90%	3.0	1.5	1.5	1.5	0.7	0.7
50%	0.1	0.8	0.8	0.8	0.6	0.6
10%	0.5	0.5	0.5	0.5	0.5	0.5
N	22	27	27	27	27	27
APR MEAN	0.7	0.6	0.6	0.9	0.6	0.6
90%	0.9	0.8	0.8	1.5	0.8	0.8
50%	0.1	0.8	0.8	0.1	0.6	0.6
10%	0.4	0.4	0.4	0.4	0.4	0.4
N	32	35	35	35	35	35
MAY MEAN	0.3	0.8	0.8	0.9	0.8	0.8
90%	0.9	0.9	0.9	1.3	0.9	0.9
50%	0.8	0.8	0.8	0.2	0.8	0.8
10%	0.6	0.6	0.6	0.7	0.6	0.6
N	23	28	28	21	28	28
JUN MEAN	0.7	0.7	0.7	0.8	0.7	0.7
90%	0.9	0.9	0.9	1.1	0.9	0.9
50%	0.8	0.8	0.8	0.2	0.8	0.8
10%	0.6	0.6	0.6	0.6	0.6	0.6
N	20	21	21	20	21	21
JUL MEAN	0.8	0.8	0.8	0.9	0.8	0.8
90%	0.9	0.9	0.9	1.1	0.9	0.9
50%	0.8	0.8	0.8	0.2	0.8	0.8
10%	0.7	0.7	0.7	0.7	0.7	0.7
N	12	12	12	12	12	12
AUG MEAN	0.3	0.8	0.8	0.9	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.8	0.8	0.8	0.2	0.8	0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	6	6	6	6	6	6
SEP MEAN	0.8	0.8	0.8	0.8	0.8	0.6
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.8	0.8	0.8	0.8	0.8	0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	4	4	4	4
OCT MEAN	0.9	0.9	0.9	1.1	0.9	0.9
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.2	0.2	0.2	1.1	0.2	0.2
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	1	2	2
NOV MEAN	0.8	0.8	0.8	0.9	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.8	0.8	0.8	0.2	0.8	0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

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STATION 10

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
MAR MEAN	0.6	0.6	0.6	0.7	0.6	0.6
90%	0.7	0.7	0.7	1.1	0.7	0.7
50%	-0.2	-0.2	-0.2	-0.6	-0.2	-0.2
10%	0.5	0.5	0.5	0.5	0.5	0.5
N	24	24	24	23	24	24
APR MEAN	0.5	0.5	0.5	0.7	0.5	0.5
90%	0.7	0.7	0.7	1.2	0.7	0.7
50%	-0.2	-0.2	-0.2	-0.6	-0.2	-0.2
10%	0.4	0.4	0.4	0.4	0.4	0.4
N	26	26	26	23	26	26
MAY MEAN	0.7	0.7	0.7	0.7	0.7	0.7
90%	0.7	0.7	0.7	0.8	0.7	0.7
50%	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
10%	0.6	0.6	0.6	0.6	0.6	0.6
N	10	10	10	10	10	10
JUN MEAN	0.6	0.6	0.6	0.7	0.6	0.6
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.6	-0.6	-0.6	-0.1	-0.6	-0.6
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7
JUL MEAN	0.7	0.7	0.7	0.7	0.7	0.7
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2
AUG MEAN	0.7	0.7	0.7	0.7	0.7	0.7
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1
SEP MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0

STATION 11

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC-10	SC-11	SC-12	SC-13	SC-14	SC-15
JAN	MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	90%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	N	24	25	25	25	28	42	25	28	42	25	28	42	25	28	42
FEB	MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	90%	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	10%	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	N	13	20	20	20	20	22	20	20	22	20	20	22	20	20	22
MAR	MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	90%	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
	50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	10%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	N	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41
APR	MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	90%	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
	50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	10%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	N	42	42	42	42	42	41	42	42	41	42	42	41	42	42	41
MAY	MEAN	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	90%	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.5
	50%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
	10%	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1
	N	42	42	42	42	42	36	42	42	36	42	42	36	42	42	36
JUN	MEAN	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.4
	90%	0.7	0.7	0.7	0.7	0.7	0.5	0.7	0.7	0.5	0.7	0.7	0.5	0.7	0.7	0.5
	50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.4	-0.2	-0.2	-0.4	-0.2	-0.2	-0.4	-0.2	-0.2	-0.4
	10%	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1
	N	42	42	42	42	42	23	42	42	23	42	42	23	42	42	23
JUL	MEAN	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
	90%	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.6	0.0	0.6	0.6	0.0	0.6	0.6	0.0
	50%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
	10%	0.6	0.6	0.6	0.6	0.5	0.0	0.6	0.5	0.0	0.6	0.5	0.0	0.6	0.5	0.0
	N	42	41	41	41	13	4	41	13	4	41	11	4	41	11	4
AUG	MEAN	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.7	0.7	0.6	0.7	0.6	0.6
	90%	0.8	0.7	0.7	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	0.0
	50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.6	-0.7	-0.7	-0.6	-0.7	-0.7	-0.6	-0.7	-0.7	-0.6
	10%	0.7	0.6	0.6	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0	0.6	0.0	0.0
	N	42	15	15	15	6	4	15	6	4	15	6	4	15	6	4
SEP	MEAN	0.6	0.6	0.6	0.6	0.6	0.4	0.6	0.6	0.4	0.6	0.6	0.4	0.6	0.6	0.4
	90%	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0
	50%	-0.2	-0.7	-0.7	-0.7	-0.6	-0.4	-0.7	-0.6	-0.4	-0.7	-0.6	-0.4	-0.7	-0.6	-0.4
	10%	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0
	N	42	17	17	17	7	1	17	7	1	17	7	1	17	7	1
OCT	MEAN	0.7	0.7	0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.7	0.6	0.6
	90%	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
	10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	N	40	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV	MEAN	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
	90%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	N	40	40	40	40	42	42	40	42	42	40	41	42	40	41	42
DEC	MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	90%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
	10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	N	39	39	39	39	41	42	39	41	42	39	41	42	39	41	42

STATION 11

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.5	0.5	0.5	0.5	0.5	0.5
90%	0.5	0.5	0.5	0.5	0.5	0.5
50%	0.2	0.2	0.2	0.2	0.2	0.2
10%	0.5	0.5	0.5	0.5	0.5	0.5
N	24	24	24	24	24	24
FEB MEAN	0.5	0.5	0.5	0.5	0.5	0.5
90%	0.6	0.6	0.6	0.6	0.6	0.6
50%	0.2	0.2	0.2	0.2	0.2	0.2
10%	0.4	0.4	0.4	0.4	0.4	0.4
N	13	13	13	13	13	13
MAR MEAN	0.2	0.2	0.2	0.2	0.2	0.2
90%	0.3	0.3	0.3	0.3	0.3	0.3
50%	0.2	0.2	0.2	0.2	0.2	0.2
10%	0.1	0.1	0.1	0.1	0.1	0.1
N	41	41	41	41	41	41
APR MEAN	0.2	0.2	0.2	0.2	0.2	0.2
90%	0.3	0.3	0.3	0.3	0.3	0.3
50%	0.2	0.2	0.2	0.2	0.2	0.2
10%	0.1	0.1	0.1	0.1	0.1	0.1
N	42	42	42	42	42	42
MAY MEAN	0.4	0.4	0.4	0.4	0.4	0.4
90%	0.6	0.6	0.6	0.6	0.6	0.6
50%	0.4	0.4	0.4	0.4	0.4	0.4
10%	0.2	0.2	0.2	0.2	0.2	0.2
N	42	42	42	42	42	42
JUN MEAN	0.5	0.5	0.5	0.5	0.5	0.5
90%	0.7	0.7	0.7	0.7	0.7	0.7
50%	0.2	0.2	0.2	0.2	0.2	0.2
10%	0.2	0.2	0.2	0.2	0.2	0.2
N	42	42	42	42	42	42
JUL MEAN	0.6	0.6	0.6	0.6	0.6	0.6
90%	0.6	0.6	0.6	0.6	0.6	0.6
50%	0.6	0.6	0.6	0.6	0.6	0.6
10%	0.6	0.6	0.6	0.6	0.6	0.6
N	42	42	42	42	42	42
AUG MEAN	0.7	0.7	0.7	0.7	0.7	0.7
90%	0.8	0.8	0.8	0.8	0.8	0.8
50%	0.7	0.7	0.7	0.7	0.7	0.7
10%	0.7	0.7	0.7	0.7	0.7	0.7
N	42	42	42	42	42	42
SEP MEAN	0.6	0.6	0.6	0.6	0.6	0.6
90%	0.8	0.8	0.8	0.8	0.8	0.8
50%	0.2	0.2	0.2	0.2	0.2	0.2
10%	0.5	0.5	0.5	0.5	0.5	0.5
N	42	42	42	42	42	42
OCT MEAN	0.7	0.7	0.7	0.7	0.7	0.7
90%	0.9	0.9	0.9	0.9	0.9	0.9
50%	0.7	0.7	0.7	0.7	0.7	0.7
10%	0.5	0.5	0.5	0.5	0.5	0.5
N	40	40	40	40	40	40
NOV MEAN	0.6	0.6	0.6	0.6	0.6	0.6
90%	0.8	0.8	0.8	0.8	0.8	0.8
50%	0.2	0.2	0.2	0.2	0.2	0.2
10%	0.5	0.5	0.5	0.5	0.5	0.5
N	40	40	40	40	40	40
DEC MEAN	0.5	0.5	0.5	0.5	0.5	0.5
90%	0.5	0.5	0.5	0.5	0.5	0.5
50%	0.2	0.2	0.2	0.2	0.2	0.2
10%	0.5	0.5	0.5	0.5	0.5	0.5
N	39	39	39	39	39	39

STATION 12

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	1.3	1.3	1.3	2.6	0.0	0.0	3.8	0.0	0.0	3.9	0.0	0.0	3.9	0.0	0.0
90%	1.4	1.4	1.5	3.7	0.0	0.0	6.6	0.0	0.0	6.3	0.0	0.0	6.3	0.0	0.0
50%	1.1	1.1	1.1	2.5	0.0	0.0	3.5	0.0	0.0	3.6	0.0	0.0	3.6	0.0	0.0
10%	1.0	1.2	1.2	1.5	0.0	0.0	1.7	0.0	0.0	1.7	0.0	0.0	1.7	0.0	0.0
N	41	42	42	42	0	0	42	0	0	42	0	0	42	0	0
FEB MEAN	1.3	1.3	1.3	2.6	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0	4.0	0.0	0.0
90%	1.5	1.5	1.4	4.1	0.0	0.0	7.4	0.0	0.0	7.4	0.0	0.0	7.4	0.0	0.0
50%	1.1	1.1	1.1	2.6	0.0	0.0	3.7	0.0	0.0	3.8	0.0	0.0	3.8	0.0	0.0
10%	1.0	1.0	1.1	1.4	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0
N	40	42	42	42	0	0	42	0	0	42	0	0	42	0	0
MAR MEAN	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.5
90%	0.7	0.8	0.8	0.9	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0
50%	0.2	0.2	0.2	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.6	0.5	0.5
10%	0.3	0.3	0.2	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0
N	42	35	35	35	7	3	35	7	3	35	7	3	35	7	3
APR MEAN	0.0	0.6	0.7	0.8	0.8	0.8	0.9	0.8	0.8	0.9	0.8	0.9	0.9	0.8	0.8
90%	0.8	0.8	0.9	1.1	1.0	1.0	1.3	1.0	1.1	1.0	1.1	1.2	1.0	1.0	1.2
50%	0.2	0.2	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.9
10%	0.4	0.4	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5
N	42	42	42	42	23	12	42	23	11	42	22	11	42	22	11
MAY MEAN	0.8	0.8	0.9	1.1	1.1	1.0	1.2	1.4	1.2	1.2	1.3	1.2	1.2	1.2	1.2
90%	1.0	1.0	1.1	1.4	1.5	1.5	1.7	2.0	2.0	1.7	2.1	2.3	1.7	2.1	2.3
50%	0.2	0.2	0.9	1.1	1.1	1.0	1.2	1.2	1.1	1.2	1.2	1.0	1.2	1.1	1.1
10%	0.6	0.6	0.6	0.8	0.8	0.7	0.8	0.8	0.7	0.8	0.8	0.7	0.8	0.8	0.7
N	42	42	42	42	24	14	42	23	14	42	23	14	42	23	14
JUN MEAN	0.9	0.9	0.9	1.1	1.1	1.0	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.2	1.1
90%	1.1	1.1	1.1	1.4	1.4	1.3	1.8	1.7	1.4	1.7	1.7	1.7	1.7	1.7	1.7
50%	0.2	0.2	0.9	1.1	1.1	1.1	1.3	1.3	1.1	1.3	1.3	1.1	1.3	1.3	1.1
10%	0.7	0.7	0.8	0.8	0.5	0.6	0.8	0.5	0.6	0.8	0.5	0.6	0.8	0.5	0.6
N	42	41	41	41	28	14	41	28	14	41	27	14	41	27	14
JUL MEAN	1.0	0.9	0.9	1.1	1.1	1.0	1.2	1.2	1.0	1.2	1.2	1.0	1.2	1.2	1.0
90%	1.2	1.0	1.1	1.4	1.5	1.3	1.7	1.7	1.3	1.7	1.7	1.2	1.7	1.7	1.2
50%	1.1	0.2	0.9	1.0	1.0	1.0	1.0	1.1	1.0	1.0	1.1	1.0	1.0	1.1	1.0
10%	0.8	0.8	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.9
N	42	37	37	37	28	17	37	28	17	37	27	16	37	27	16
AUG MEAN	1.2	1.0	1.0	1.2	1.1	1.0	1.4	1.2	1.0	1.3	1.2	1.0	1.3	1.2	1.0
90%	1.3	1.1	1.2	1.5	1.4	1.1	1.8	1.7	1.1	1.8	1.7	1.1	1.8	1.7	1.1
50%	1.2	1.0	1.0	1.2	1.0	1.0	1.5	1.0	1.0	1.3	1.0	1.0	1.3	1.0	1.0
10%	1.1	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
N	42	33	33	33	27	17	33	27	17	33	25	16	33	25	16
SEP MEAN	1.2	1.0	1.1	1.3	1.4	1.0	1.6	1.6	1.0	1.6	1.6	1.0	1.6	1.6	1.0
90%	1.3	1.2	1.2	1.9	1.9	1.0	2.3	2.3	1.1	2.4	2.2	1.1	2.4	2.2	1.1
50%	1.2	1.0	1.1	1.4	1.4	1.0	1.6	1.7	1.0	1.6	1.7	1.0	1.6	1.7	1.0
10%	1.1	1.0	0.9	1.0	1.0	0.9	1.0	1.0	0.9	1.0	1.0	0.9	1.0	1.0	0.9
N	42	38	38	38	29	17	38	29	17	38	27	16	38	27	16
OCT MEAN	1.1	1.2	1.2	1.6	0.0	0.0	1.8	0.0	0.0	1.9	0.0	0.0	1.9	0.0	0.0
90%	1.2	1.3	1.3	2.0	0.0	0.0	2.4	0.0	0.0	2.5	0.0	0.0	2.5	0.0	0.0
50%	1.1	1.2	1.2	1.5	0.0	0.0	1.8	0.0	0.0	1.8	0.0	0.0	1.8	0.0	0.0
10%	1.0	1.0	1.1	1.2	0.0	0.0	1.3	0.0	0.0	1.4	0.0	0.0	1.3	0.0	0.0
N	42	42	42	42	0	0	42	0	0	42	0	0	42	0	0
NOV MEAN	1.2	1.2	1.2	1.6	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0	2.0	0.0	0.0
90%	1.3	1.3	1.3	2.3	0.0	0.0	3.0	0.0	0.0	2.8	0.0	0.0	2.8	0.0	0.0
50%	1.2	1.2	1.2	1.6	0.0	0.0	1.9	0.0	0.0	1.9	0.0	0.0	1.9	0.0	0.0
10%	1.1	1.1	1.1	1.3	0.0	0.0	1.4	0.0	0.0	1.4	0.0	0.0	1.4	0.0	0.0
N	42	42	42	42	0	0	42	0	0	42	0	0	42	0	0
DEC MEAN	1.3	1.3	1.3	1.9	0.0	0.0	2.6	0.0	0.0	2.6	0.0	0.0	2.6	0.0	0.0
90%	1.5	1.5	1.4	2.6	0.0	0.0	4.0	0.0	0.0	4.2	0.0	0.0	4.2	0.0	0.0
50%	1.1	1.1	1.2	1.7	0.0	0.0	2.2	0.0	0.0	2.2	0.0	0.0	2.2	0.0	0.0
10%	1.2	1.2	1.2	1.4	0.0	0.0	1.6	0.0	0.0	1.5	0.0	0.0	1.5	0.0	0.0
N	42	42	42	42	0	0	42	0	0	42	0	0	42	0	0

STATION 12

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
MAR MEAN	0.4	0.7	0.5	0.5	0.5	0.5
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.4	-0.7	-0.6	-0.6	-0.6	-0.4
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	3	3	3	3
APR MEAN	0.5	0.8	0.9	1.1	0.9	0.8
90%	0.8	1.0	1.1	2.5	1.1	1.1
50%	-0.2	-0.4	-0.2	-0.2	-0.2	-0.2
10%	0.3	0.7	0.7	0.6	0.7	0.5
N	14	15	13	12	13	13
MAY MEAN	0.8	1.0	1.1	1.1	1.1	1.2
90%	1.0	1.4	1.8	1.7	1.8	1.9
50%	-0.2	-1.0	-1.1	-1.1	-1.1	-1.2
10%	0.5	0.7	0.7	0.7	0.7	0.7
N	16	15	15	15	15	15
JUN MEAN	0.9	1.1	1.3	1.4	1.3	1.3
90%	1.1	1.5	2.0	2.1	2.0	2.0
50%	-0.2	-1.2	-1.2	-1.4	-1.2	-1.2
10%	0.5	0.4	0.4	0.7	0.4	0.4
N	20	16	16	15	16	16
JUL MEAN	1.0	1.6	2.0	1.9	2.0	2.0
90%	1.1	2.4	3.4	3.2	3.4	3.3
50%	-1.0	-1.7	-1.9	-1.7	-1.9	-1.8
10%	0.8	0.9	1.0	1.0	1.0	1.1
N	22	21	21	18	21	20
AUG MEAN	1.2	2.1	3.0	2.9	3.0	3.2
90%	1.3	3.2	5.1	5.1	5.1	5.5
50%	-1.2	-2.0	-2.8	-2.9	-2.8	-2.2
10%	1.0	1.3	1.7	1.5	1.7	1.7
N	22	22	21	20	21	21
SEP MEAN	1.2	2.0	2.6	2.6	2.6	2.7
90%	1.3	2.7	3.6	3.7	3.6	3.8
50%	-1.2	-1.9	-2.5	-2.2	-2.5	-2.7
10%	1.0	1.3	1.5	1.4	1.5	1.5
N	22	22	22	20	22	22
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0

ATTACHMENT 3

Predicted Boron Concentrations in the Poplar River Basin

b. For the sensitivity analyses performed where

I=Montana irrigation use reduced

W=all salt applied in irrigation water returned

E=evaporation in Cookson Reservoir

20% higher than used in model

F=evaporation in Cookson Reservoir

20% lower than used in model

A=no ash lagoon pickup

STATION 1

SCENARIO SUMMARY LISTING FOR PORON IN UNITS OF MG/L

MG YEAR	SC-2	SC21	SC-4	SC4W	SC-8	SCPF	SC8F	SC10	SC10A
JAN MEAN	2.9	2.9	6.5	6.5	12.4	14.5	10.5	11.3	1.8
90%	3.6	3.6	8.9	8.9	21.0	25.9	15.7	17.3	2.6
50%	-2.2	-2.2	-6.5	-6.5	12.2	13.5	10.5	11.1	-1.6
10%	2.3	2.3	3.6	3.6	6.2	6.5	5.9	6.2	1.1
N	28	28	42	42	42	42	42	42	42
FEB MEAN	2.4	2.4	6.3	6.3	12.0	14.0	10.0	10.8	1.8
90%	3.2	3.2	9.3	9.3	21.4	26.6	15.8	17.4	2.6
50%	-2.2	-2.2	-6.1	-6.1	11.1	12.0	9.8	10.4	-1.7
10%	1.4	1.4	3.9	3.9	6.4	6.5	5.8	6.1	1.1
N	28	28	42	42	42	42	42	42	42
MAR MEAN	0.5	0.5	4.2	4.2	7.0	7.4	6.3	6.5	1.8
90%	1.1	1.1	5.1	5.1	9.6	11.4	8.3	8.6	2.1
50%	-0.1	-0.1	-4.2	-4.2	-6.7	-6.5	-6.1	-6.2	-1.8
10%	0.1	0.1	3.0	3.0	4.4	4.5	4.0	4.2	1.5
N	27	27	42	42	42	42	42	42	42
APR MEAN	0.8	0.8	3.9	3.9	6.1	6.0	5.9	5.4	1.6
90%	1.1	1.1	5.2	5.2	9.7	9.4	8.4	7.6	2.1
50%	-0.2	-0.2	-3.8	-3.8	-5.6	-5.6	-5.5	-5.5	-1.8
10%	0.1	0.1	2.7	2.7	4.0	3.6	3.5	3.6	0.9
N	41	41	42	42	42	42	42	42	42
MAY MEAN	1.0	1.0	4.1	4.1	7.0	7.0	6.3	6.4	1.7
90%	1.3	1.3	4.9	4.9	10.1	11.0	8.4	8.5	2.2
50%	-1.0	-1.0	-4.1	-4.1	-7.0	-6.8	-6.5	-6.7	-1.6
10%	0.5	0.5	3.0	3.0	4.6	4.0	4.3	4.3	1.1
N	42	42	42	42	42	42	42	42	42
JUN MEAN	1.1	1.1	4.3	4.3	7.6	7.8	6.8	7.1	1.7
90%	1.4	1.4	5.6	5.6	13.0	12.4	9.7	10.4	2.2
50%	-1.2	-1.2	-4.2	-4.2	-7.0	-6.9	-6.5	-6.8	-1.7
10%	0.7	0.7	3.1	3.1	4.7	4.6	4.5	4.7	1.3
N	42	42	42	42	42	42	42	42	42
JUL MEAN	1.3	1.3	5.0	5.0	8.9	9.3	7.5	8.0	1.7
90%	1.8	1.8	6.6	6.6	12.2	14.0	10.1	10.6	2.3
50%	-1.1	-1.1	-4.9	-4.9	-8.5	-8.4	-7.4	-7.8	-1.6
10%	1.0	1.0	3.2	3.2	5.3	5.4	4.5	4.7	1.3
N	42	42	42	42	42	42	42	42	42
AUG MEAN	1.6	1.6	5.3	5.3	9.4	10.2	8.0	8.5	1.7
90%	2.1	2.1	7.5	7.5	14.0	16.8	11.2	12.2	2.4
50%	-1.4	-1.4	-5.0	-5.0	-8.6	-9.1	-7.5	-8.0	-1.6
10%	1.2	1.2	3.3	3.3	5.7	5.3	5.2	5.4	1.3
N	42	42	42	42	42	42	42	42	42
SEP MEAN	1.4	1.4	5.1	5.1	8.8	10.0	7.6	8.1	1.8
90%	1.9	1.9	7.2	7.2	13.5	16.0	10.8	11.6	2.4
50%	-1.3	-1.3	-4.7	-4.7	-8.6	-8.9	-7.6	-8.2	-1.7
10%	1.1	1.1	3.4	3.4	4.9	5.0	5.0	5.3	1.4
N	42	42	42	42	42	42	42	42	42
OCT MEAN	1.4	1.4	4.9	4.9	7.8	9.0	6.9	7.3	1.9
90%	1.9	1.9	7.8	7.8	11.5	13.3	9.4	10.2	2.4
50%	-1.3	-1.3	-4.6	-4.6	-7.5	-7.8	-7.1	-7.5	-1.8
10%	1.1	1.1	3.4	3.4	4.3	4.5	4.5	4.6	1.6
N	42	42	42	42	42	42	42	42	42
NOV MEAN	1.6	1.6	5.1	5.1	8.3	9.5	7.3	7.7	1.9
90%	1.8	1.8	6.8	6.8	12.8	15.3	10.4	10.7	2.5
50%	-1.6	-1.6	-4.9	-4.9	-7.9	-8.5	-7.7	-8.2	-1.8
10%	1.3	1.3	3.3	3.3	4.7	4.7	4.5	4.7	1.6
N	42	42	42	42	42	42	42	42	42
DEC MEAN	2.1	2.1	5.5	5.5	10.0	11.5	8.7	9.2	1.8
90%	2.7	2.7	7.0	7.0	15.8	18.9	12.3	13.6	2.6
50%	-2.1	-2.1	-5.4	-5.4	-9.8	-10.3	-8.8	-9.4	-1.7
10%	1.6	1.6	3.6	3.6	5.2	5.6	5.1	5.3	1.4
N	41	41	42	42	42	42	42	42	42

STATION 2

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC21	SC-4	SC4W	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
MAR MEAN	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
50%	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4	-0.4
10%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
N	34	34	34	34	34	34	34	31	31
APR MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
50%	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.4	-0.4
10%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
N	40	40	40	40	40	40	40	30	30
MAY MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0
90%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3
N	28	28	28	28	28	28	28	17	17
JUN MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0	1.0
90%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-1.0	-1.0
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
N	16	16	16	16	16	16	16	14	14
JUL MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.1	-1.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7	7	7	7
AUG MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-1.0	-1.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2
SEP MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.1	-1.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	4	4	4	4	4	4	4
OCT MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.2	1.2
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.2	-1.2
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	5	5	5	5	5	5	5	5	5
NOV MEAN	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1	1	1	1
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0

STATION 3

SCENARIO SUMMARY LISTING FOR PORON IN UNITS OF MG/L

MO YEAR	SC-2	SC21	SC-4	SC4W	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	2.4	2.4	6.4	6.5	12.0	14.0	10.2	11.0	1.8
90%	2.8	2.8	6.6	8.7	19.8	24.9	15.2	16.7	2.5
50%	-2.2	-2.2	-6.4	-6.6	12.0	13.3	10.3	11.0	-1.6
10%	1.9	1.9	3.5	3.6	6.1	6.4	5.8	6.1	1.1
N	14	14	42	42	42	42	42	42	42
FEB MEAN	2.2	2.2	6.0	6.1	11.3	12.9	9.5	10.2	1.7
90%	2.9	2.9	8.6	9.0	19.5	23.9	14.8	16.2	2.4
50%	-2.2	-2.2	-6.0	-6.1	11.0	11.5	5.5	10.3	-1.7
10%	1.2	1.2	3.7	3.7	5.9	6.2	5.3	5.5	1.1
N	22	22	42	42	42	42	42	42	41
MAR MEAN	0.9	0.9	1.7	1.9	1.9	1.9	1.9	2.0	1.3
90%	1.8	1.8	3.2	3.8	4.7	4.8	4.4	4.5	1.7
50%	-0.7	-0.7	-1.5	-1.6	-1.5	-1.5	-1.5	-1.7	-1.2
10%	0.5	0.5	1.1	1.3	1.0	1.0	1.2	1.2	0.9
N	30	30	30	30	29	29	29	29	29
APR MEAN	0.9	0.9	2.3	2.5	2.9	2.8	3.1	2.8	1.4
90%	1.3	1.3	3.0	3.4	4.2	4.6	5.4	4.1	1.8
50%	-0.8	-0.8	-2.3	-2.5	-2.7	-2.5	-3.0	-2.8	-1.4
10%	0.4	0.4	1.5	1.7	1.5	1.4	1.6	1.5	0.9
N	40	40	42	42	42	42	42	42	41
MAY MEAN	1.2	1.2	3.0	3.2	4.9	4.8	4.4	4.4	1.6
90%	1.4	1.4	4.2	4.5	6.8	7.0	6.3	6.1	2.0
50%	-1.2	-1.2	-3.0	-3.2	-4.7	-4.7	-4.4	-4.3	-1.6
10%	0.8	0.8	2.3	2.4	3.0	2.4	2.6	2.7	1.2
N	41	41	42	42	42	42	42	42	41
JUN MEAN	1.3	1.3	3.3	3.5	5.4	5.6	4.9	5.2	1.7
90%	1.5	1.5	4.7	4.8	9.3	8.8	7.3	7.8	2.1
50%	-1.3	-1.3	-3.2	-3.3	-4.9	-4.9	-4.6	-4.9	-1.6
10%	1.0	1.0	2.4	2.5	3.1	3.0	3.0	3.1	1.4
N	41	41	41	41	41	41	41	41	41
JUL MEAN	1.4	1.4	4.0	4.1	6.6	6.8	5.7	6.1	1.7
90%	1.6	1.6	5.5	5.7	9.7	9.6	8.2	8.6	2.1
50%	-1.4	-1.4	-3.9	-4.1	-6.2	-6.6	-5.7	-6.0	-1.6
10%	1.2	1.2	2.5	2.7	3.6	3.5	3.2	3.3	1.4
N	40	40	42	42	42	42	42	42	42
AUG MEAN	1.6	1.6	4.5	4.7	7.6	8.3	6.6	7.0	1.7
90%	1.8	1.8	6.5	6.8	11.4	13.7	9.6	10.3	2.3
50%	-1.5	-1.5	-4.1	-4.4	-6.8	-7.1	-6.3	-6.8	-1.7
10%	1.4	1.4	2.9	3.1	4.5	4.5	4.2	4.4	1.4
N	37	37	42	42	42	42	42	42	42
SEP MEAN	1.5	1.5	4.0	4.3	6.4	7.3	5.6	6.2	1.8
90%	1.8	1.8	6.5	6.8	10.0	12.3	8.5	9.3	2.3
50%	-1.4	-1.4	-3.7	-3.9	-6.0	-6.2	-5.4	-5.9	-1.7
10%	1.3	1.3	2.7	2.9	3.9	3.8	3.7	4.0	1.5
N	39	39	42	42	41	41	41	42	42
OCT MEAN	1.5	1.5	3.7	3.8	5.4	6.0	4.9	5.2	1.8
90%	1.7	1.7	5.7	5.9	8.9	10.2	7.7	8.1	2.1
50%	-1.4	-1.4	-3.2	-3.3	-4.9	-5.2	-4.6	-4.9	-1.7
10%	1.2	1.2	2.6	2.7	3.1	3.2	3.1	3.2	1.6
N	41	41	42	42	42	42	42	42	42
NOV MEAN	1.6	1.6	4.5	4.9	7.2	8.1	6.4	6.7	1.9
90%	1.8	1.8	6.2	6.8	10.7	13.7	8.8	9.4	2.2
50%	-1.6	-1.6	-4.3	-4.7	-6.6	-7.7	-6.6	-7.0	-1.8
10%	1.4	1.4	3.0	3.4	3.9	4.1	3.8	3.9	1.6
N	42	42	42	42	42	42	42	42	42
DEC MEAN	2.1	2.1	5.3	5.5	9.5	11.0	8.3	8.9	1.8
90%	2.7	2.7	7.0	7.0	15.4	18.6	12.1	13.3	2.3
50%	-2.1	-2.1	-5.2	-5.4	-8.9	-9.9	-8.2	-8.9	-1.7
10%	1.6	1.6	3.5	3.8	5.2	5.5	5.0	5.3	1.4
N	42	42	42	42	42	42	42	42	42

STATION 4

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC2I	SC-4	SC4W	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-0.9	-0.9
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3	3	8	8
FEB MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
N	7	7	7	7	7	7	7	11	11
MAR MEAN	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9
90%	1.1	1.1	1.1	1.1	1.4	1.4	1.4	1.1	1.1
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8
N	37	37	37	37	37	37	37	39	39
APR MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.9	-0.9
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
N	42	42	42	42	42	42	42	42	42
MAY MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.9	-0.9
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
N	42	42	42	42	42	42	42	42	42
JUN MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
50%	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
N	42	42	42	42	42	42	42	42	42
JUL MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
90%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.9	-0.9
10%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
N	33	33	33	33	33	33	33	42	42
AUG MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
90%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.9	-0.9
10%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.7
N	19	19	19	19	19	19	19	37	37
SEP MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
90%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-0.9	-0.9
10%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.7
N	16	16	16	16	16	16	16	38	38
OCT MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
10%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.7	0.7
N	35	35	35	35	35	35	35	42	42
NOV MEAN	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0
90%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0
10%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7
N	40	40	40	40	40	40	40	42	42
DEC MEAN	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9
90%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-0.9	-0.9
10%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0.7
N	19	19	19	19	19	19	19	40	40

STATION 5

SCENARIO SUMMARY LISTING FOR PORON IN UNITS OF MG/L

MO YFAR	SC-2	SC2I	SC-4	SC4W	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
MAR MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9
90%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
N	25	25	25	25	25	25	25	22	22
APR MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8
90%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
N	27	27	27	27	27	27	27	23	23
MAY MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8
90%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
N	10	10	10	10	10	10	10	10	10
JUN MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7	7	7	7
JUL MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2
AUG MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2
SEP MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1	1	1	1
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0

STATION 6

SCENARIO SUMMARY LISTING FOR PCRCN IN UNITS OF MG/L

MO YEAR	SC-2	SC2 I	SC-4	SC4w	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
FEB MEAN	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3	3	3	3
MAR MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
90%	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
10%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
N	37	37	37	37	37	37	37	37	37
APR MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90%	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-1.0	-1.0
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
N	42	42	42	42	42	42	42	42	42
MAY MEAN	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
90%	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
50%	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5
10%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
N	42	42	42	42	42	42	42	42	42
JUN MEAN	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
90%	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
50%	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7
10%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
N	40	40	40	40	40	40	40	40	40
JUL MEAN	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
50%	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
10%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
N	32	32	32	32	32	32	32	32	32
AUG MEAN	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
N	14	14	14	14	14	14	14	14	14
SEP MEAN	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
50%	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6
10%	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
N	11	11	11	11	11	11	11	11	11
OCT MEAN	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
50%	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4
10%	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
N	28	28	28	28	28	28	28	28	28
NOV MEAN	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3	3	3	3
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0

STATION 7		SCENARIO SUMMARY LISTING FOR PCRCN IN UNITS OF MG/L								
MO	YEAR	SC-2	SC2 I	SC-4	SC4W	SC-8	SC8F	SC8F	SC10	SC10A
JAN	MEAN	1.6	1.6	1.6	2.0	1.6	1.6	1.6	1.9	1.9
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-1.4	-1.4	-1.4	-1.7	-1.4	-1.4	-1.4	-2.1	-2.1
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	4	4	4	4	4	4	4	3	3
FEB	MEAN	1.4	1.4	1.4	1.6	1.4	1.4	1.4	1.5	1.5
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-1.2	-1.2	-1.2	-1.4	-1.2	-1.2	-1.2	-1.2	-1.2
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	7	7	7	7	7	7	7	5	5
MAR	MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	90%	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.1	1.1
	50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8
	10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
	N	37	37	37	37	38	38	38	37	37
APR	MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8
	90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.8	-0.8
	10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
	N	42	42	42	42	42	42	42	42	42
MAY	MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.0
	90%	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.2	1.2
	50%	-0.2	-0.2	-0.2	-1.0	-0.2	-0.2	-0.2	-1.0	-1.0
	10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
	N	42	42	42	42	42	42	42	42	42
JUN	MEAN	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.1	1.1
	90%	1.3	1.4	1.3	1.4	1.3	1.3	1.3	1.4	1.4
	50%	-1.0	-1.0	-1.0	-1.1	-1.0	-1.0	-1.0	-1.1	-1.1
	10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
	N	34	34	34	34	33	33	33	33	34
JUL	MEAN	0.9	1.0	0.9	1.0	0.9	0.9	0.9	0.9	0.9
	90%	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-0.9	-0.9	-0.9	-1.0	-0.9	-0.9	-0.9	-0.8	-0.8
	10%	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	9	12	9	9	9	9	9	8	8
AUG	MEAN	1.0	1.2	1.0	1.2	1.0	1.0	1.0	1.1	1.1
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-1.1	-1.2	-1.1	-1.2	-1.1	-1.1	-1.1	-1.1	-1.1
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	3	9	3	3	3	3	3	3	3
SEP	MEAN	1.2	1.4	1.2	1.4	1.1	1.1	1.1	1.1	1.1
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-1.1	-1.2	-1.1	-1.2	-1.1	-1.1	-1.1	-1.1	-1.1
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	3	7	3	3	2	2	2	2	2
OCT	MEAN	1.5	1.6	1.5	2.0	1.5	1.5	1.5	1.6	1.6
	90%	2.3	2.4	2.3	3.5	2.2	2.2	2.2	2.2	2.2
	50%	-1.4	-1.4	-1.4	-1.7	-1.4	-1.4	-1.4	-1.5	-1.5
	10%	1.2	1.2	1.2	1.4	1.2	1.2	1.2	1.3	1.3
	N	42	42	42	42	42	42	42	42	42
NOV	MEAN	1.3	1.2	1.3	1.5	1.3	1.3	1.3	1.3	1.3
	90%	1.4	1.4	1.4	1.9	1.5	1.5	1.5	2.1	2.1
	50%	-1.1	-1.2	-1.1	-1.2	-1.1	-1.1	-1.1	-1.1	-1.1
	10%	1.1	1.1	1.1	1.3	1.1	1.1	1.1	1.0	1.0
	N	40	40	40	40	42	42	42	40	40
DEC	MEAN	1.8	1.8	1.8	2.2	1.8	1.8	1.8	1.8	1.8
	90%	2.5	2.6	2.5	3.2	2.5	2.5	2.5	2.4	2.4
	50%	-1.3	-1.3	-1.3	-1.8	-1.3	-1.3	-1.3	-2.2	-2.2
	10%	1.2	1.1	1.2	1.4	1.2	1.2	1.2	1.0	1.0
	N	33	33	33	33	33	33	33	27	27

STATION 8

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC2I	SC-4	SC4W	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	1.7	1.7	3.6	5.8	5.8	6.6	5.1	5.6	1.7
90%	2.0	2.0	4.9	7.2	9.7	11.3	7.6	8.6	2.2
50%	-1.1	-1.1	-3.1	-6.3	-5.8	-6.6	-5.4	-5.9	-1.1
10%	1.6	1.6	2.0	2.6	2.5	2.5	2.3	2.4	1.4
N	42	42	42	42	42	42	42	42	42
FEB MEAN	1.7	1.7	3.8	5.5	6.4	7.2	5.5	6.0	1.7
90%	2.1	2.1	5.7	7.5	11.4	14.8	8.8	10.0	2.0
50%	-1.1	-1.1	-4.1	-6.1	-6.5	-7.0	-5.6	-6.2	-1.6
10%	1.4	1.4	2.0	2.4	2.4	2.4	2.3	2.4	1.3
N	41	37	42	42	42	42	42	42	42
MAR MEAN	0.8	0.8	0.9	1.1	1.0	0.9	1.0	1.0	0.9
90%	1.1	1.1	1.3	1.5	1.3	1.3	1.3	1.4	1.1
50%	-0.1	-0.1	-0.2	-1.0	-0.2	-0.2	-0.2	-1.0	-0.2
10%	0.5	0.5	0.7	0.7	0.6	0.6	0.7	0.7	0.7
N	34	34	30	30	28	28	28	27	27
APR MEAN	0.8	0.8	1.2	1.3	1.4	1.3	1.5	1.4	0.9
90%	1.1	1.1	1.7	1.7	2.1	2.2	2.5	1.9	1.2
50%	-0.8	-0.8	-1.2	-1.2	-1.2	-1.2	-1.3	-1.2	-0.2
10%	0.5	0.5	0.9	0.9	0.8	0.7	0.9	0.9	0.7
N	41	41	42	42	41	41	41	41	41
MAY MEAN	1.0	1.0	1.5	1.7	2.1	2.0	1.9	1.9	1.2
90%	1.3	1.2	2.0	2.5	3.1	3.3	2.7	2.7	1.5
50%	-1.1	-1.1	-1.5	-1.6	-2.0	-1.8	-1.7	-1.8	-1.2
10%	0.7	0.7	1.0	1.1	1.1	1.1	1.1	1.1	0.8
N	41	41	41	41	41	41	41	41	41
JUN MEAN	1.1	1.1	1.7	2.0	2.3	2.3	2.2	2.4	1.3
90%	1.4	1.4	2.4	3.2	3.8	3.6	3.6	3.9	1.7
50%	-1.2	-1.2	-1.7	-1.9	-2.1	-2.1	-2.1	-2.2	-1.3
10%	0.8	0.8	0.9	1.0	1.0	0.9	1.0	1.0	0.9
N	36	37	37	37	37	37	37	36	36
JUL MEAN	1.2	1.2	2.0	2.4	2.6	2.6	2.4	2.7	1.3
90%	1.5	1.5	3.1	4.3	4.0	4.1	3.9	4.3	1.5
50%	-1.3	-1.2	-1.9	-2.2	-2.5	-2.6	-2.2	-2.6	-1.4
10%	0.8	0.8	1.1	1.2	1.3	1.3	1.3	1.3	0.9
N	22	22	23	23	22	22	22	24	23
AUG MEAN	1.4	1.4	2.7	4.0	3.3	3.5	3.1	3.9	1.6
90%	1.6	1.6	3.4	5.9	4.3	4.8	4.2	5.6	1.7
50%	-1.5	-1.5	-2.7	-4.0	-3.2	-3.2	-3.0	-3.9	-1.5
10%	1.1	1.1	2.1	2.6	2.3	2.3	2.1	2.6	1.4
N	13	14	20	20	12	12	12	20	19
SEP MEAN	1.5	1.5	2.8	4.3	3.7	4.0	3.5	4.0	1.6
90%	1.7	1.7	3.7	5.7	5.2	6.0	4.9	5.7	1.8
50%	-1.5	-1.5	-2.9	-4.6	-3.8	-3.8	-3.5	-3.8	-1.6
10%	1.2	1.2	1.7	2.0	1.7	1.9	1.7	2.0	1.4
N	26	26	26	26	24	24	24	26	26
OCT MEAN	1.5	1.5	2.4	3.2	3.0	3.3	2.8	3.1	1.6
90%	1.6	1.6	3.5	4.5	4.6	5.5	3.7	4.2	1.9
50%	-1.5	-1.4	-2.3	-3.1	-2.9	-3.0	-2.9	-3.2	-1.6
10%	1.2	1.2	1.6	2.0	1.8	1.9	1.7	1.9	1.4
N	42	42	42	42	42	42	42	42	42
NOV MEAN	1.5	1.5	2.4	3.5	3.2	3.6	3.0	3.2	1.6
90%	1.6	1.6	3.7	5.5	5.3	6.7	4.5	4.4	1.9
50%	-1.5	-1.5	-2.3	-3.4	-2.9	-3.0	-2.7	-3.0	-1.6
10%	1.3	1.3	1.7	1.9	1.9	1.9	1.8	2.0	1.4
N	42	42	42	42	42	42	42	42	42
DEC MEAN	1.8	1.8	2.9	4.4	4.3	4.8	3.9	4.3	1.7
90%	2.2	2.2	4.2	6.1	7.2	8.3	6.6	7.4	2.1
50%	-1.8	-1.8	-2.6	-5.1	-3.5	-3.9	-3.3	-3.6	-1.7
10%	1.4	1.4	1.9	2.1	2.2	2.2	2.1	2.2	1.5
N	42	42	42	42	42	42	42	42	42

STATION 9

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC2I	SC-4	SC4W	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
MAR MEAN	1.0	1.0	0.9	0.9	1.0	1.0	1.0	0.9	0.9
90%	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
50%	-0.2	-0.2	-0.8	-0.8	-0.2	-0.2	-0.2	-0.8	-0.8
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
N	22	22	27	27	27	27	27	27	27
APR MEAN	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.9	0.9
90%	0.9	0.9	0.8	0.8	0.8	0.8	0.8	1.5	1.5
50%	-0.2	-0.2	-0.6	-0.6	-0.6	-0.6	-0.6	-0.2	-0.2
10%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
N	32	32	35	35	35	35	35	35	35
MAY MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.3	1.3
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.2	-0.2
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
N	28	28	28	28	28	28	28	21	21
JUN MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.2	-0.2
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
N	20	20	21	21	21	21	21	20	20
JUL MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9
90%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.2	-0.2
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
N	12	12	12	12	12	12	12	12	12
AUG MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.2	-0.2
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	6	6	6	6	6	6	6	6	6
SEP MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	4	4	4	4	4	4	4
OCT MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-1.1	-1.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	1	1
NOV MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.2	-0.2
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0

STATION 10

SCENARIO SUMMARY LISTING FCF BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC2I	SC-4	SC4H	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
MAR MEAN	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
90%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1
50%	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
N	24	24	24	24	24	24	24	23	23
APR MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7
90%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.2	1.2
50%	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.6	-0.6
10%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
N	26	26	26	26	26	26	26	23	23
MAY MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
90%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8
50%	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
N	10	10	10	10	10	10	10	10	10
JUN MEAN	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.7	-0.7
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7	7	7	7
JUL MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2
AUG MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1	1	1	1
SEP MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0

STATION 11

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC21	SC-4	SC4W	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	0.5	0.5	0.5	1.2	0.5	0.5	0.5	0.5	0.5
90%	0.5	0.5	0.5	1.2	0.5	0.5	0.5	0.5	0.5
50%	-0.5	-0.5	-0.5	-1.2	-0.5	-0.5	-0.5	-0.5	-0.5
10%	0.5	0.5	0.5	1.2	0.5	0.5	0.5	0.5	0.5
N	25	25	25	25	28	28	28	25	25
FEB MEAN	0.5	0.5	0.5	1.1	0.5	0.5	0.5	0.5	0.5
90%	0.5	0.5	0.5	1.2	0.5	0.5	0.5	0.5	0.5
50%	-0.5	-0.5	-0.5	-1.2	-0.5	-0.5	-0.5	-0.5	-0.5
10%	0.5	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.5
N	20	20	20	20	20	20	20	20	20
MAR MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90%	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
N	41	41	41	41	41	41	41	41	41
APR MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90%	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
N	42	42	42	42	42	42	42	42	42
MAY MEAN	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
50%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
10%	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
N	42	42	42	42	42	42	42	42	42
JUN MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
50%	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
10%	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
N	42	42	42	42	42	42	42	42	42
JUL MEAN	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
90%	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6
50%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.6
10%	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6
N	41	42	41	41	13	13	13	41	41
AUG MEAN	0.7	0.7	0.7	0.8	0.6	0.6	0.6	0.7	0.7
90%	0.7	0.7	0.7	0.9	0.0	0.0	0.0	0.7	0.7
50%	-0.7	-0.7	-0.7	-0.8	-0.7	-0.7	-0.7	-0.7	-0.7
10%	0.6	0.7	0.6	0.6	0.0	0.0	0.0	0.6	0.6
N	15	40	15	15	6	6	6	15	15
SEP MEAN	0.6	0.6	0.6	0.8	0.6	0.6	0.6	0.6	0.6
90%	0.8	0.8	0.8	1.2	0.0	0.0	0.0	0.8	0.8
50%	-0.7	-0.7	-0.7	-0.8	-0.6	-0.6	-0.6	-0.7	-0.7
10%	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5
N	17	19	17	17	7	7	7	17	17
OCT MEAN	0.7	0.7	0.7	0.9	0.6	0.6	0.6	0.7	0.7
90%	0.8	0.8	0.8	1.2	0.8	0.8	0.8	0.8	0.8
50%	-0.7	-0.7	-0.7	-0.8	-0.7	-0.7	-0.7	-0.7	-0.7
10%	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5
N	42	42	42	42	42	42	42	42	42
NOV MEAN	0.6	0.6	0.6	1.0	0.6	0.6	0.6	0.6	0.6
90%	0.8	0.8	0.8	1.2	0.8	0.8	0.8	0.8	0.8
50%	-0.6	-0.6	-0.6	-1.2	-0.6	-0.6	-0.6	-0.6	-0.6
10%	0.5	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.5
N	40	40	40	40	42	42	42	40	40
DEC MEAN	0.5	0.5	0.5	1.2	0.5	0.5	0.5	0.5	0.5
90%	0.5	0.5	0.5	1.2	0.5	0.5	0.5	0.5	0.5
50%	-0.5	-0.5	-0.5	-1.2	-0.5	-0.5	-0.5	-0.5	-0.5
10%	0.5	0.5	0.5	1.2	0.5	0.5	0.5	0.5	0.5
N	39	39	39	39	41	41	41	39	39

STATION 12

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC2 I	SC-4	SC4W	SC-8	SC8E	SC8F	SC10	SC10A
JAN MEAN	1.3	1.3	2.6	4.4	0.0	0.0	0.0	3.9	1.4
90%	1.4	1.4	3.7	5.7	0.0	0.0	0.0	6.3	1.6
50%	-1.3	-1.3	-2.6	-4.4	-0.0	-0.0	-0.0	-3.6	-1.3
10%	1.2	1.2	1.5	2.4	0.0	0.0	0.0	1.7	1.2
N	42	42	42	42	0	0	0	42	42
FEB MEAN	1.3	1.3	2.6	4.1	0.0	0.0	0.0	4.0	1.3
90%	1.5	1.4	4.1	5.6	0.0	0.0	0.0	7.4	1.5
50%	-1.3	-1.3	-2.6	-4.4	-0.0	-0.0	-0.0	-3.8	-1.3
10%	1.0	1.0	1.4	1.8	0.0	0.0	0.0	1.6	1.1
N	42	42	42	42	0	0	0	42	42
MAR MEAN	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.6	0.5
90%	0.8	0.8	0.9	1.0	0.0	0.0	0.0	0.8	0.8
50%	-0.5	-0.5	-0.6	-0.7	-0.5	-0.5	-0.6	-0.6	-0.6
10%	0.3	0.3	0.2	0.3	0.0	0.0	0.0	0.2	0.2
N	35	35	35	35	7	7	7	35	35
APR MEAN	0.6	0.6	0.8	0.9	0.8	0.8	0.9	0.9	0.7
90%	0.8	0.8	1.1	1.1	1.0	1.0	1.2	1.0	0.9
50%	-0.6	-0.6	-0.8	-0.9	-0.9	-0.7	-0.9	-0.9	-0.7
10%	0.4	0.4	0.6	0.6	0.5	0.4	0.6	0.6	0.5
N	42	42	42	42	23	23	23	42	42
MAY MEAN	0.8	0.8	1.1	1.2	1.4	1.3	1.3	1.2	0.9
90%	1.0	1.0	1.4	1.6	2.0	2.1	1.7	1.7	1.1
50%	-0.9	-0.9	-1.1	-1.2	-1.2	-1.1	-1.2	-1.2	-0.9
10%	0.6	0.6	0.8	0.8	0.8	0.7	0.8	0.8	0.6
N	42	42	42	42	23	23	24	42	42
JUN MEAN	0.9	0.9	1.1	1.3	1.2	1.2	1.2	1.2	0.9
90%	1.1	1.1	1.4	1.8	1.7	1.7	1.6	1.7	1.1
50%	-0.9	-0.9	-1.1	-1.3	-1.3	-1.3	-1.3	-1.3	-0.9
10%	0.7	0.7	0.8	0.8	0.5	0.5	0.5	0.8	0.7
N	41	41	41	41	28	28	28	41	41
JUL MEAN	0.9	0.9	1.1	1.5	1.2	1.2	1.2	1.2	0.9
90%	1.0	1.0	1.4	2.0	1.7	1.7	1.6	1.7	1.1
50%	-0.9	-0.9	-1.0	-1.5	-1.1	-1.1	-1.1	-1.0	-0.9
10%	0.8	0.8	0.8	1.0	0.9	0.9	0.9	0.8	0.8
N	37	38	37	37	28	28	28	37	37
AUG MEAN	1.0	1.0	1.2	2.0	1.2	1.2	1.2	1.3	1.0
90%	1.1	1.1	1.5	2.7	1.7	1.7	1.6	1.8	1.2
50%	-1.0	-0.9	-1.2	-2.3	-1.0	-1.0	-1.0	-1.3	-1.0
10%	0.9	0.9	1.0	1.3	1.0	1.0	1.0	1.0	1.0
N	33	34	33	33	27	27	27	33	33
SEP MEAN	1.0	1.0	1.3	2.4	1.6	1.7	1.5	1.6	1.1
90%	1.2	1.2	1.9	3.4	2.3	2.3	2.1	2.4	1.2
50%	-1.0	-1.1	-1.4	-2.3	-1.7	-1.7	-1.7	-1.6	-1.1
10%	1.0	0.9	1.0	1.2	1.0	1.0	1.0	1.0	0.9
N	38	38	38	38	29	29	29	38	38
OCT MEAN	1.2	1.2	1.6	2.3	0.0	0.0	0.0	1.9	1.2
90%	1.3	1.3	2.0	3.2	0.0	0.0	0.0	2.5	1.3
50%	-1.2	-1.2	-1.5	-2.2	-0.0	-0.0	-0.0	-1.8	-1.2
10%	1.0	1.0	1.2	1.4	0.0	0.0	0.0	1.4	1.1
N	42	42	42	42	0	0	0	42	42
NOV MEAN	1.2	1.2	1.6	2.5	0.0	0.0	0.0	2.0	1.2
90%	1.3	1.3	2.3	3.8	0.0	0.0	0.0	2.8	1.4
50%	-1.2	-1.2	-1.6	-2.5	-0.0	-0.0	-0.0	-1.9	-1.2
10%	1.1	1.1	1.3	1.4	0.0	0.0	0.0	1.4	1.1
N	42	42	42	42	0	0	0	42	42
DEC MEAN	1.3	1.3	1.9	3.2	0.0	0.0	0.0	2.6	1.3
90%	1.5	1.5	2.6	4.2	0.0	0.0	0.0	4.2	1.4
50%	-1.3	-1.3	-1.7	-3.6	-0.0	-0.0	-0.0	-2.2	-1.3
10%	1.2	1.2	1.4	1.5	0.0	0.0	0.0	1.5	1.2
N	42	42	42	42	0	0	0	42	42

ATTACHMENT 3

Predicted Boron Concentrations in the Poplar River Basin

c. For the various mitigation measures examined where

M=mitigation as proposed by Operations Committee

N=ash lagoon seepage contains 20% less salts and
boron than suggested by Operations Committee and

NM=ash lagoon seepage to reservoir reduced by 50%
and seepage to river eliminated.

STATION 1

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	2.9	6.5	12.4	12.4	4.0	4.8	4.8	5.3	4.2	2.2	2.7	2.8
90%	3.6	8.9	21.0	21.0	5.1	6.5	6.5	7.3	5.6	2.8	3.6	3.7
50%	-2.2	-6.5	12.4	11.7	-3.2	-4.7	-4.7	-5.2	-4.1	-2.1	-2.5	-2.6
10%	2.3	3.6	6.2	6.6	3.2	3.5	3.5	3.8	3.1	1.6	1.9	1.9
N	28	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	2.4	6.3	12.0	11.9	3.9	4.6	4.7	5.2	4.1	2.1	2.7	2.7
90%	3.2	9.3	21.4	20.8	5.2	6.6	6.7	7.5	5.8	2.7	3.7	3.6
50%	-2.5	-6.1	11.1	11.2	-3.7	-4.3	-4.3	-4.8	-3.8	-2.1	-2.5	-2.5
10%	1.4	3.9	6.4	6.2	3.2	3.4	3.4	3.8	3.1	1.6	1.9	1.9
N	28	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	0.5	4.2	7.0	7.0	2.9	3.2	3.2	3.5	2.9	2.0	2.2	2.2
90%	1.1	5.1	9.6	9.3	3.4	3.7	3.8	4.1	3.4	2.3	2.7	2.7
50%	-0.3	-4.2	-6.7	-6.7	-2.2	-3.1	-3.1	-3.4	-2.2	-1.2	-2.1	-2.1
10%	0.1	3.0	4.4	4.2	2.2	2.6	2.6	2.7	2.4	1.7	1.9	1.9
N	27	42	42	42	42	42	42	42	42	42	42	42
APR MEAN	0.8	3.9	6.1	5.7	2.4	2.7	2.7	2.9	2.5	1.8	2.1	2.0
90%	1.1	5.2	9.7	8.0	2.9	3.3	3.1	3.5	3.2	2.2	2.7	2.3
50%	-0.2	-3.8	-5.6	-5.7	-2.5	-2.7	-2.8	-2.9	-2.6	-1.2	-2.1	-2.1
10%	0.1	2.7	4.0	3.9	1.7	2.1	2.2	2.3	1.8	1.3	1.6	1.7
N	41	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	1.0	4.1	7.0	6.8	2.5	2.9	2.9	3.1	2.6	1.9	2.1	2.1
90%	1.3	4.9	10.1	9.4	3.0	3.5	3.5	3.8	3.2	2.3	2.6	2.6
50%	-1.0	-4.1	-7.0	-7.0	-2.6	-2.9	-2.9	-3.1	-2.6	-1.2	-2.1	-2.1
10%	0.5	3.0	4.6	4.5	2.0	2.2	2.2	2.4	2.0	1.5	1.7	1.7
N	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	1.1	4.3	7.6	7.9	2.6	3.0	3.0	3.2	2.8	1.9	2.2	2.3
90%	1.4	5.6	13.0	12.2	3.1	3.7	3.7	4.0	3.4	2.3	2.7	2.7
50%	-1.2	-4.2	-7.0	-7.5	-2.6	-2.9	-3.0	-3.2	-2.7	-1.2	-2.1	-2.2
10%	0.7	3.1	4.7	4.9	2.1	2.3	2.3	2.4	2.1	1.6	1.7	1.7
N	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	1.3	5.0	8.9	8.7	2.7	3.2	3.2	3.4	2.9	2.0	2.3	2.4
90%	1.8	6.6	12.2	12.3	3.3	4.1	4.1	4.5	3.7	2.4	3.0	3.0
50%	-1.3	-4.2	-8.2	-8.1	-2.7	-3.1	-3.1	-3.4	-2.8	-1.2	-2.2	-2.3
10%	1.0	3.2	5.3	5.4	2.1	2.3	2.3	2.5	2.1	1.5	1.8	1.8
N	42	42	42	42	42	42	42	42	42	42	42	42
AUG MEAN	1.6	5.3	9.4	9.7	2.8	3.4	3.4	3.7	3.1	2.0	2.5	2.5
90%	2.1	7.5	14.0	14.7	3.5	4.4	4.5	4.9	4.0	2.5	3.1	3.2
50%	-1.4	-5.0	-8.6	-9.1	-2.8	-3.2	-3.2	-3.5	-2.9	-2.0	-2.3	-2.3
10%	1.2	3.3	5.7	5.6	2.2	2.4	2.4	2.6	2.2	1.6	1.8	1.8
N	42	42	42	42	42	42	42	42	42	42	42	42
SEP MEAN	1.4	5.1	8.8	8.6	3.0	3.5	3.5	3.8	3.2	2.1	2.5	2.5
90%	1.9	7.2	13.5	13.1	3.8	4.6	4.7	5.1	4.1	2.5	3.1	3.1
50%	-1.4	-4.7	-8.6	-8.2	-3.0	-3.4	-3.4	-3.7	-3.1	-2.0	-2.3	-2.4
10%	1.1	3.4	4.9	5.1	2.4	2.6	2.6	2.8	2.4	1.7	1.9	1.9
N	42	42	42	42	42	42	42	42	42	42	42	42
OCT MEAN	1.4	4.9	7.8	8.0	3.2	3.6	3.6	3.9	3.3	2.1	2.4	2.4
90%	1.9	7.0	11.5	11.4	3.8	4.6	4.5	5.0	4.2	2.5	3.0	3.0
50%	-1.3	-4.6	-7.5	-8.3	-3.2	-3.6	-3.5	-3.8	-3.2	-2.0	-2.3	-2.3
10%	1.1	3.4	4.3	4.6	2.8	2.9	2.9	3.1	2.7	1.8	1.9	1.9
N	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	1.6	5.1	8.3	8.3	3.3	3.7	3.7	4.1	3.4	2.1	2.4	2.4
90%	1.8	6.8	12.8	12.1	3.9	5.0	4.9	5.5	4.5	2.6	3.3	3.1
50%	-1.6	-4.2	-7.2	-8.7	-3.3	-3.6	-3.7	-3.9	-3.3	-2.0	-2.3	-2.4
10%	1.3	3.3	4.7	4.7	2.9	3.0	3.0	3.2	2.8	1.8	1.9	1.9
N	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	2.1	5.5	10.0	10.0	3.7	4.2	4.2	4.7	3.8	2.1	2.6	2.6
90%	2.7	7.0	15.8	15.3	4.6	5.6	5.6	6.2	5.0	2.7	3.4	3.4
50%	-2.1	-5.4	-7.4	-10.0	-3.6	-4.1	-4.2	-4.6	-3.7	-2.1	-2.4	-2.5
10%	1.6	3.6	5.2	5.3	3.1	3.3	3.3	3.6	3.0	1.7	1.9	1.9
N	41	42	42	42	42	42	42	42	42	42	42	42

STATION 2

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	0.4	0.4	0.4	0.8	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.8
90%	0.9	0.9	0.9	1.8	0.9	0.9	1.8	0.9	0.9	0.9	0.9	1.8
50%	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
10%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
N	34	34	34	31	34	34	31	34	34	34	34	31
APR MEAN	0.5	0.5	0.5	0.7	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.7
90%	1.0	1.0	1.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0
50%	-0.2	-0.2	-0.2	-0.4	-0.2	-0.2	-0.4	-0.2	-0.2	-0.2	-0.2	-0.4
10%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
N	40	40	40	30	40	40	30	40	40	40	40	30
MAY MEAN	0.8	0.8	0.8	1.0	0.8	0.8	1.0	0.8	0.8	0.8	0.8	1.0
90%	1.1	1.1	1.1	1.7	1.1	1.1	1.7	1.1	1.1	1.1	1.1	1.7
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.4	0.4	0.4	0.3	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.3
N	28	28	28	17	28	28	17	28	28	28	28	17
JUN MEAN	0.8	0.8	0.8	1.0	0.8	0.8	1.0	0.8	0.8	0.8	0.8	1.0
90%	1.1	1.1	1.1	1.3	1.1	1.1	1.3	1.1	1.1	1.1	1.1	1.3
50%	-0.2	-0.2	-0.2	-1.0	-0.2	-0.2	-1.0	-0.2	-0.2	-0.2	-0.2	-1.0
10%	0.5	0.5	0.5	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.6
N	16	16	16	14	16	16	14	16	16	16	16	14
JUL MEAN	0.9	0.9	0.9	1.1	0.9	0.9	1.1	0.9	0.9	0.9	0.9	1.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.0	-1.0	-1.0	-1.1	-1.0	-1.0	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7	7	7	7	7	7	7
AUG MEAN	0.9	0.9	0.9	1.0	0.9	0.9	1.0	0.9	0.9	0.9	0.9	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.2	-0.2	-0.2	-1.0	-0.2	-0.2	-1.0	-0.2	-0.2	-0.2	-0.2	-1.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	2	2	2
SEP MEAN	1.0	1.0	1.0	1.1	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.0	-1.0	-1.0	-1.1	-1.0	-1.0	-1.1	-1.0	-1.0	-1.0	-1.0	-1.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	4	4	4	4	4	4	4	4	4	4
OCT MEAN	1.0	1.0	1.0	1.2	1.0	1.0	1.2	1.0	1.0	1.0	1.0	1.2
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.1	-1.1	-1.3	-1.1	-1.1	-1.3	-1.1	-1.1	-1.1	-1.1	-1.3
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	5	5	5	5	5	5	5	5	5	5	5	5
NOV MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1	1	1	1	1	1	1
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0

STATION 3

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	2.4	6.4	12.0	11.7	4.0	4.7	4.6	5.2	4.1	2.1	2.7	2.7
90%	2.8	8.6	19.8	19.5	5.0	6.1	6.0	6.9	5.5	2.7	3.6	3.5
50%	-2.2	-4.4	12.0	11.2	-3.2	-4.6	-4.5	-5.1	-4.1	-2.1	-2.5	-2.6
10%	1.9	3.5	6.1	6.4	3.2	3.4	3.4	3.8	3.0	1.6	1.9	1.9
N	14	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	2.2	6.0	11.3	11.1	3.8	4.4	4.4	4.9	3.9	2.1	2.6	2.5
90%	2.9	8.6	19.5	18.6	4.8	6.2	6.1	7.0	5.5	2.6	3.6	3.6
50%	-2.2	-4.0	11.0	10.2	-3.7	-4.2	-4.1	-4.6	-3.7	-2.0	-2.3	-2.3
10%	1.2	3.7	5.9	5.7	3.2	3.3	3.3	3.7	3.0	1.6	1.8	1.8
N	22	42	42	42	41	41	40	41	41	41	41	39
MAR MEAN	0.9	1.7	1.9	2.0	1.4	1.4	1.4	1.4	1.3	1.2	1.2	1.3
90%	1.8	3.2	4.7	3.6	2.4	2.7	1.7	2.8	2.5	1.8	1.9	1.6
50%	-0.1	-1.2	-1.2	-1.6	-1.1	-1.3	-1.1	-1.3	-1.2	-1.2	-1.2	-1.2
10%	0.5	1.1	1.0	1.0	1.1	1.0	1.1	1.1	1.0	1.0	1.0	1.0
N	30	30	29	27	30	29	27	29	29	30	29	27
APR MEAN	0.9	2.3	2.9	2.7	1.7	1.8	1.7	1.8	1.7	1.5	1.5	1.5
90%	1.3	3.0	4.2	3.9	2.1	2.4	2.2	2.5	2.3	1.9	2.0	1.9
50%	-2.3	-2.3	-2.7	-2.7	-1.7	-1.8	-1.6	-1.8	-1.7	-1.4	-1.5	-1.5
10%	0.4	1.5	1.5	1.5	1.3	1.3	1.2	1.3	1.2	1.1	1.1	1.1
N	40	42	42	41	42	41	40	41	41	42	41	40
MAY MEAN	1.2	3.0	4.9	4.5	2.1	2.2	2.3	2.4	2.1	1.7	1.8	1.9
90%	1.4	4.2	6.8	6.6	2.6	2.8	2.8	3.0	2.6	2.1	2.3	2.3
50%	-1.2	-3.0	-4.7	-4.3	-2.1	-2.2	-2.2	-2.2	-2.1	-1.7	-1.8	-1.5
10%	0.8	2.3	3.0	2.9	1.6	1.7	1.7	1.8	1.6	1.3	1.5	1.5
N	41	42	42	41	42	41	41	41	41	42	41	41
JUN MEAN	1.3	3.3	5.4	5.5	2.2	2.5	2.4	2.6	2.3	1.8	1.9	2.0
90%	1.5	4.7	9.3	8.8	2.9	3.1	3.1	3.4	2.9	2.2	2.4	2.4
50%	-1.3	-3.2	-4.5	-4.5	-2.2	-2.3	-2.4	-2.2	-2.2	-1.7	-1.9	-1.5
10%	1.0	2.4	3.1	3.3	1.8	1.9	1.9	2.0	1.8	1.5	1.6	1.7
N	41	41	41	40	41	41	40	41	41	41	40	40
JUL MEAN	1.4	4.0	6.6	6.4	2.4	2.7	2.6	2.9	2.5	1.9	2.1	2.1
90%	1.6	5.5	9.7	8.5	2.9	3.3	3.3	3.6	3.1	2.2	2.7	2.6
50%	-1.4	-3.9	-6.2	-6.1	-2.3	-2.6	-2.6	-2.8	-2.4	-1.8	-2.0	-2.0
10%	1.2	2.5	3.6	3.1	1.9	2.0	2.1	2.2	1.9	1.5	1.6	1.6
N	40	42	42	41	42	42	41	42	42	42	42	41
AUG MEAN	1.6	4.5	7.6	7.5	2.6	3.0	2.9	3.2	2.8	2.0	2.3	2.3
90%	1.8	6.5	11.4	11.1	3.3	3.9	3.9	4.3	3.6	2.4	3.0	2.8
50%	-1.5	-4.1	-6.8	-6.8	-2.5	-2.7	-2.7	-2.9	-2.5	-1.9	-2.1	-2.1
10%	1.4	2.9	4.5	4.6	2.1	2.3	2.3	2.4	2.1	1.6	1.7	1.7
N	37	42	42	40	42	42	40	42	42	42	42	40
SEP MEAN	1.5	4.0	6.4	6.2	2.6	2.9	2.8	3.1	2.7	2.0	2.2	2.1
90%	1.8	6.5	10.0	9.3	3.5	3.9	3.7	4.2	3.6	2.4	2.8	2.7
50%	-1.4	-3.7	-6.0	-5.8	-2.5	-2.7	-2.7	-2.9	-2.5	-1.9	-2.1	-2.1
10%	1.3	2.7	3.9	3.8	2.1	2.3	2.3	2.4	2.1	1.7	1.8	1.8
N	39	42	41	41	42	41	40	41	41	42	41	40
OCT MEAN	1.5	3.7	5.4	5.5	2.6	2.8	2.8	3.0	2.6	1.9	2.1	2.1
90%	1.7	5.7	8.9	8.8	3.2	3.8	3.2	4.2	3.5	2.3	2.4	2.4
50%	-1.4	-3.6	-4.9	-5.2	-2.5	-2.7	-2.7	-2.8	-2.5	-1.9	-2.0	-2.0
10%	1.2	2.6	3.1	3.3	2.2	2.3	2.3	2.4	2.2	1.7	1.8	1.8
N	41	42	42	42	42	42	41	42	42	42	41	41
NOV MEAN	1.6	4.5	7.2	7.0	3.0	3.4	3.3	3.6	3.1	2.0	2.3	2.3
90%	1.8	6.2	10.7	10.6	3.5	4.3	4.2	4.7	3.9	2.4	2.9	2.8
50%	-1.6	-4.3	-6.6	-7.2	-3.0	-3.3	-3.2	-3.6	-3.0	-2.0	-2.2	-2.2
10%	1.4	3.0	3.9	4.0	2.6	2.7	2.7	2.9	2.5	1.8	1.9	1.9
N	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	2.1	5.3	9.5	9.3	3.6	4.1	4.0	4.5	3.6	2.1	2.5	2.5
90%	2.7	7.0	15.4	14.7	4.2	5.1	5.0	5.6	4.6	2.4	3.1	3.1
50%	-2.0	-5.2	-8.2	-9.2	-3.5	-3.8	-3.8	-4.2	-3.5	-2.6	-2.3	-2.3
10%	1.6	3.5	5.2	5.1	3.0	3.2	3.2	3.5	2.9	1.7	1.9	1.9
N	42	42	42	42	42	42	42	42	42	42	42	42

STATION 4

SCENARIO SUMMARY LISTING FOR PORON IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	1.1	1.1	1.1	1.0	1.1	1.1	0.9	1.1	1.1	1.1	1.1	0.9
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.1	-1.1	-0.2	-1.1	-1.1	-0.2	-1.1	-1.1	-1.1	-1.1	-0.2
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	8	3	3	8	3	3	3	3	8
FEB MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90%	0.0	0.0	0.0	1.3	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.2
50%	-1.1	-1.1	-1.1	-1.0	-1.1	-1.1	-1.0	-1.1	-1.1	-1.1	-1.1	-1.0
10%	0.0	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8
N	7	7	7	11	7	7	11	7	7	7	7	11
MAR MEAN	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.9	0.9
90%	1.1	1.1	1.4	1.1	1.1	1.4	1.1	1.4	1.4	1.1	1.4	1.1
50%	-0.8	-0.8	-0.8	-0.2	-0.8	-0.8	-0.2	-0.8	-0.8	-0.8	-0.8	-0.2
10%	0.6	0.6	0.6	0.8	0.6	0.6	0.8	0.6	0.6	0.6	0.6	0.8
N	37	37	37	39	37	37	39	37	37	37	37	39
APR MEAN	0.7	0.7	0.7	0.9	0.7	0.7	0.9	0.7	0.7	0.7	0.7	0.9
90%	0.9	0.9	0.9	1.1	0.9	0.9	1.1	0.9	0.9	0.9	0.9	1.1
50%	-0.7	-0.7	-0.7	-0.2	-0.7	-0.7	-0.2	-0.7	-0.7	-0.7	-0.7	-0.2
10%	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7
N	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	0.8	0.8	0.8	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.9
90%	0.9	0.9	0.9	1.1	0.9	0.9	1.1	0.9	0.9	0.9	0.9	1.1
50%	-0.8	-0.8	-0.8	-0.2	-0.8	-0.8	-0.2	-0.8	-0.8	-0.8	-0.8	-0.2
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
N	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
90%	1.0	1.0	1.0	1.1	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
N	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	1.0	1.0	1.0	0.9	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.9
90%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
50%	-1.0	-1.0	-1.0	-0.2	-1.0	-1.0	-0.2	-1.0	-1.0	-1.0	-1.0	-0.2
10%	0.8	0.8	0.8	0.7	0.8	0.8	0.7	0.8	0.8	0.8	0.8	0.7
N	33	33	33	42	33	33	42	33	33	33	33	42
AUG MEAN	1.0	1.0	1.0	0.9	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.9
90%	1.2	1.2	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.1
50%	-1.0	-1.0	-1.0	-0.2	-1.0	-1.0	-0.2	-1.0	-1.0	-1.0	-1.0	-0.2
10%	0.9	0.9	0.9	0.7	0.9	0.9	0.7	0.9	0.9	0.9	0.9	0.7
N	19	19	19	37	19	19	37	19	19	19	19	37
SEP MEAN	1.0	1.0	1.0	0.9	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.9
90%	1.2	1.2	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.1
50%	-1.0	-1.0	-1.0	-0.2	-1.0	-1.0	-0.2	-1.0	-1.0	-1.0	-1.0	-0.2
10%	0.9	0.9	0.9	0.7	0.9	0.9	0.7	0.9	0.9	0.9	0.9	0.7
N	16	16	16	38	16	16	38	16	16	16	16	38
OCT MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
10%	0.9	0.9	0.9	0.7	0.9	0.9	0.7	0.9	0.9	0.9	0.9	0.7
N	35	35	35	42	35	35	42	35	35	35	35	42
NOV MEAN	1.1	1.1	1.1	1.0	1.1	1.1	1.0	1.1	1.1	1.1	1.1	1.0
90%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
50%	-1.1	-1.1	-1.1	-1.0	-1.1	-1.1	-1.0	-1.1	-1.1	-1.1	-1.1	-1.0
10%	1.0	1.0	1.0	0.7	1.0	1.0	0.7	1.0	1.0	1.0	1.0	0.7
N	40	40	40	42	40	40	42	40	40	40	40	42
DEC MEAN	1.1	1.1	1.1	1.0	1.1	1.1	0.9	1.1	1.1	1.1	1.1	0.9
90%	1.2	1.2	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.1
50%	-1.1	-1.1	-1.1	-1.0	-1.1	-1.1	-0.2	-1.1	-1.1	-1.1	-1.1	-0.2
10%	1.0	1.0	1.0	0.7	1.0	1.0	0.7	1.0	1.0	1.0	1.0	0.7
N	19	19	19	40	19	19	40	19	19	19	19	40

STATION 5

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC 12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	0.7	0.7	0.7	0.9	0.7	0.7	0.9	0.7	0.7	0.7	0.7	0.9
90%	0.8	0.8	0.8	1.5	0.8	0.8	1.5	0.8	0.8	0.8	0.8	1.5
50%	-0.7	-0.7	-0.7	-0.8	-0.7	-0.7	-0.8	-0.7	-0.7	-0.7	-0.7	-0.8
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
N	25	25	25	22	25	25	22	25	25	25	25	22
APR MEAN	0.7	0.7	0.7	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.8
90%	0.8	0.8	0.8	1.5	0.8	0.8	1.5	0.8	0.8	0.8	0.8	1.5
50%	-0.7	-0.7	-0.7	-0.8	-0.7	-0.7	-0.8	-0.7	-0.7	-0.7	-0.7	-0.8
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
N	27	27	27	23	27	27	23	27	27	27	27	23
MAY MEAN	0.7	0.7	0.7	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.8
90%	0.8	0.8	0.8	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.9
50%	-0.7	-0.7	-0.7	-0.9	-0.7	-0.7	-0.9	-0.7	-0.7	-0.7	-0.7	-0.9
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
N	10	10	10	10	10	10	10	10	10	10	10	10
JUN MEAN	0.7	0.7	0.7	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7	7	7	7	7	7	7
JUL MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	2	2	2
AUG MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	2	2	2
SEP MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1	1	1	1	1	1	1
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0

STATION 6

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3	3	3	3	3	3	3
MAR MEAN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
90%	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
10%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
N	37	37	37	37	37	37	37	37	37	37	37	37
APR MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90%	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
50%	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9	-0.9
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
N	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
90%	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
50%	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5
10%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
N	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
90%	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
50%	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7
10%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
N	40	40	40	40	40	40	40	40	40	40	40	40
JUL MEAN	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
50%	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3	-2.3
10%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
N	32	32	32	32	32	32	32	32	32	32	32	32
AUG MEAN	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
N	14	14	14	14	14	14	14	14	14	14	14	14
SEP MEAN	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
50%	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6
10%	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
N	11	11	11	11	11	11	11	11	11	11	11	11
OCT MEAN	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
50%	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4
10%	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
N	28	28	28	28	28	28	28	28	28	28	28	28
NOV MEAN	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4	-2.4
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3	3	3	3	3	3	3
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0

STATION 7

SCENARIO SUMMARY LISTING FOR PCRON IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	1.6	1.6	1.6	1.7	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.7
90%	0.0	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6
50%	-1.4	-1.4	-1.4	-1.5	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4	-1.4
10%	0.0	0.0	0.0	1.6	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.6
N	4	4	4	39	4	4	39	4	4	4	4	39
FEB MEAN	1.4	1.4	1.4	1.6	1.4	1.4	1.6	1.4	1.4	1.4	1.4	1.6
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.2	-1.2	-1.2	-1.5	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2	-1.2
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	6	7	7	6	7	7	7	7	6
MAR MEAN	0.8	0.8	0.8	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.9
90%	1.1	1.1	1.3	1.3	1.1	1.3	1.3	1.3	1.3	1.1	1.3	1.3
50%	-0.1	-0.1	-0.1	-0.8	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
10%	0.0	0.0	0.0	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.6
N	37	37	38	38	37	38	38	38	38	37	38	38
APR MEAN	0.7	0.7	0.7	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.8
90%	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
50%	-0.1	-0.1	-0.1	-0.8	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
10%	0.0	0.0	0.0	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.6
N	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	0.9	0.9	0.9	1.0	0.9	0.9	1.0	0.9	0.9	0.9	0.9	1.0
90%	1.1	1.1	1.1	1.2	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.2
50%	-0.2	-0.2	-0.2	-1.0	-0.2	-0.2	-1.0	-0.2	-0.2	-0.2	-0.2	-1.0
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
N	42	42	42	41	42	42	41	42	42	42	42	41
JUN MEAN	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90%	1.3	1.3	1.3	1.1	1.3	1.3	1.2	1.3	1.3	1.3	1.3	1.2
50%	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
N	34	34	33	22	34	33	22	33	33	34	33	22
JUL MEAN	0.9	0.9	0.9	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.2	-0.2	-0.2	-0.8	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	9	9	9	5	9	9	5	9	9	9	9	5
AUG MEAN	1.0	1.0	1.0	1.1	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	2	3	3	2	3	3	3	3	2
SEP MEAN	1.2	1.2	1.1	1.3	1.2	1.1	1.3	1.1	1.1	1.2	1.1	1.3
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-1.1	-1.1	-1.1	-1.3	-1.1	-1.1	-1.3	-1.1	-1.1	-1.1	-1.1	-1.3
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	2	1	3	2	1	2	2	3	2	1
OCT MEAN	1.5	1.5	1.5	1.6	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.6
90%	2.3	2.3	2.2	2.0	2.3	2.2	2.0	2.2	2.2	2.3	2.2	2.0
50%	-1.4	-1.4	-1.4	-1.5	-1.4	-1.4	-1.5	-1.4	-1.4	-1.4	-1.4	-1.5
10%	1.2	1.2	1.2	1.4	1.2	1.2	1.4	1.2	1.2	1.2	1.2	1.4
N	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	1.3	1.3	1.3	1.4	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.4
90%	1.4	1.4	1.5	2.0	1.4	1.5	2.0	1.5	1.5	1.4	1.5	2.0
50%	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
10%	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
N	40	40	42	42	40	42	42	42	42	40	42	42
DEC MEAN	1.8	1.8	1.8	1.7	1.8	1.8	1.7	1.8	1.8	1.8	1.8	1.7
90%	2.5	2.5	2.5	2.2	2.5	2.5	2.2	2.5	2.5	2.5	2.5	2.2
50%	-1.3	-1.3	-1.3	-1.6	-1.3	-1.3	-1.6	-1.3	-1.3	-1.3	-1.3	-1.6
10%	1.2	1.2	1.2	1.1	1.2	1.2	1.1	1.2	1.2	1.2	1.2	1.1
N	33	33	33	35	33	33	35	33	33	33	33	35

STATION - 8

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	1.7	3.6	5.8	5.2	2.6	2.8	2.6	3.0	2.6	1.8	2.1	2.0
90%	2.0	4.9	9.7	8.3	3.2	3.6	3.3	3.9	3.3	2.3	2.6	2.4
50%	-1.1	-3.1	-5.8	-5.3	-2.6	-2.7	-2.7	-3.0	-2.5	-1.8	-2.0	-2.0
10%	1.6	2.0	2.5	2.4	1.8	1.8	1.8	1.9	1.8	1.5	1.6	1.6
N	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	1.7	3.8	6.4	5.8	2.6	2.8	2.7	3.1	2.6	1.8	2.0	2.0
90%	2.1	5.7	11.4	9.9	3.4	4.0	3.6	4.3	3.6	2.2	2.6	2.4
50%	-1.1	-4.1	-6.2	-6.0	-2.7	-2.9	-2.7	-3.1	-2.7	-1.8	-2.0	-2.0
10%	1.4	2.0	2.4	2.3	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.6
N	41	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	0.8	0.9	1.0	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
90%	1.1	1.3	1.3	1.5	1.1	1.2	1.2	1.2	1.2	1.1	1.2	1.1
50%	-0.1	-0.2	-0.2	-1.0	-0.8	-0.8	-0.9	-0.8	-0.8	-0.8	-0.8	-0.9
10%	0.5	0.7	0.6	0.7	0.7	0.6	0.7	0.6	0.6	0.6	0.6	0.7
N	34	30	28	23	30	28	23	28	28	30	28	23
APR MEAN	0.8	1.2	1.4	1.2	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.0
90%	1.1	1.7	2.1	1.7	1.3	1.4	1.3	1.5	1.4	1.2	1.3	1.2
50%	-0.8	-1.2	-1.2	-1.2	-1.0	-0.9	-1.0	-0.9	-0.9	-0.9	-0.9	-1.0
10%	0.5	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.8
N	41	42	41	41	42	41	41	41	41	42	41	41
MAY MEAN	1.0	1.5	2.1	2.0	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
90%	1.3	2.0	3.1	3.3	1.7	1.8	1.8	1.9	1.7	1.5	1.6	1.6
50%	-1.1	-1.5	-2.0	-1.8	-1.3	-1.3	-1.3	-1.3	-1.3	-1.2	-1.2	-1.2
10%	0.7	1.0	1.1	1.1	0.9	1.0	1.0	1.0	0.9	0.9	0.9	0.9
N	41	41	41	38	41	41	38	41	41	41	41	38
JUN MEAN	1.1	1.7	2.3	2.0	1.4	1.5	1.4	1.5	1.4	1.3	1.3	1.3
90%	1.4	2.4	3.8	2.9	1.9	2.1	1.7	2.2	2.0	1.7	1.9	1.5
50%	-1.2	-1.7	-2.1	-2.1	-1.4	-1.4	-1.4	-1.5	-1.4	-1.3	-1.3	-1.3
10%	0.8	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
N	36	37	37	29	37	37	29	37	37	37	36	29
JUL MEAN	1.2	2.0	2.6	1.7	1.5	1.5	1.2	1.6	1.5	1.3	1.4	1.2
90%	1.5	3.1	4.0	2.6	2.0	2.1	1.6	2.2	2.0	1.7	1.8	1.5
50%	-1.3	-1.9	-2.5	-1.6	-1.5	-1.5	-1.1	-1.6	-1.5	-1.4	-1.4	-1.1
10%	0.8	1.1	1.3	0.9	0.9	0.9	0.8	1.0	0.9	0.9	0.9	0.8
N	22	23	22	11	23	22	11	22	22	23	22	11
AUG MEAN	1.4	2.7	3.3	2.5	1.9	1.9	1.6	2.0	1.8	1.7	1.7	1.5
90%	1.6	3.4	4.3	0.0	2.3	2.2	0.0	2.3	2.1	1.9	1.9	0.0
50%	-1.5	-2.7	-3.2	-2.0	-1.8	-1.9	-1.6	-1.9	-1.8	-1.7	-1.7	-1.5
10%	1.1	2.1	2.3	0.0	1.7	1.5	0.0	1.6	1.5	1.5	1.4	0.0
N	13	20	12	3	19	12	3	12	12	19	11	3
SEP MEAN	1.5	2.8	3.7	3.1	2.0	2.1	1.9	2.2	2.0	1.7	1.8	1.7
90%	1.7	3.7	5.2	0.0	2.4	2.6	0.0	2.7	2.4	1.9	2.1	0.0
50%	-1.5	-2.9	-3.8	-3.6	-2.1	-2.2	-2.1	-2.3	-2.1	-1.8	-1.9	-1.9
10%	1.2	1.7	1.7	0.0	1.5	1.5	0.0	1.5	1.5	1.4	1.4	0.0
N	26	26	24	3	26	23	3	23	23	26	23	3
OCT MEAN	1.5	2.4	3.0	3.0	1.9	2.0	2.0	2.1	1.9	1.7	1.7	1.7
90%	1.6	3.5	4.6	4.4	2.4	2.5	2.4	2.6	2.4	1.9	2.0	2.0
50%	-1.5	-2.3	-2.9	-3.0	-1.9	-2.0	-2.0	-2.0	-1.9	-1.6	-1.7	-1.7
10%	1.2	1.6	1.8	1.9	1.4	1.5	1.5	1.5	1.5	1.4	1.4	1.4
N	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	1.5	2.4	3.2	3.1	1.9	2.0	2.0	2.1	1.9	1.6	1.7	1.7
90%	1.6	3.7	5.3	4.8	2.4	2.8	2.6	3.0	2.6	1.9	2.2	2.1
50%	-1.5	-2.3	-2.9	-3.0	-1.8	-1.9	-1.9	-1.9	-1.8	-1.6	-1.7	-1.7
10%	1.3	1.7	1.9	1.9	1.6	1.6	1.6	1.6	1.6	1.4	1.4	1.4
N	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	1.8	2.9	4.3	4.0	2.3	2.4	2.3	2.5	2.3	1.8	1.9	1.9
90%	2.2	4.2	7.2	6.5	3.1	3.3	3.0	3.6	3.1	2.2	2.4	2.3
50%	-1.8	-2.6	-3.5	-3.4	-2.2	-2.2	-2.2	-2.3	-2.1	-1.7	-1.8	-1.8
10%	1.4	1.9	2.2	2.2	1.7	1.7	1.7	1.7	1.7	1.5	1.5	1.5
N	42	42	42	42	42	42	42	42	42	42	42	42

STATION 9

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	1.0	0.9	1.0	1.0	0.9	1.0	1.0	1.0	1.0	0.9	1.0	1.0
90%	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
50%	-0.7	-0.8	-0.9	-1.0	-0.8	-0.9	-1.0	-0.9	-0.9	-0.8	-0.9	-1.0
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
N	22	27	27	27	27	27	27	27	27	27	27	27
APR MEAN	0.7	0.6	0.6	0.9	0.6	0.6	0.9	0.6	0.6	0.6	0.6	0.9
90%	0.9	0.8	0.8	1.5	0.8	0.8	1.5	0.8	0.8	0.8	0.8	1.5
50%	-0.7	-0.6	-0.6	-0.7	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7
10%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
N	32	35	35	35	35	35	35	35	35	35	35	35
MAY MEAN	0.8	0.8	0.8	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.9
90%	0.9	0.9	0.9	1.2	0.9	0.9	1.2	0.9	0.9	0.9	0.9	1.2
50%	-0.8	-0.8	-0.8	-0.9	-0.8	-0.8	-0.9	-0.8	-0.8	-0.8	-0.8	-0.9
10%	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7
N	28	28	28	21	28	28	21	28	28	28	28	21
JUN MEAN	0.7	0.7	0.7	0.9	0.7	0.7	0.9	0.7	0.7	0.7	0.7	0.9
90%	0.9	0.9	0.9	1.2	0.9	0.9	1.2	0.9	0.9	0.9	0.9	1.2
50%	-0.8	-0.8	-0.8	-0.9	-0.8	-0.8	-0.9	-0.8	-0.8	-0.8	-0.8	-0.9
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
N	20	21	21	20	21	21	20	21	21	21	21	20
JUL MEAN	0.8	0.8	0.8	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.9
90%	0.9	0.9	0.9	1.1	0.9	0.9	1.1	0.9	0.9	0.9	0.9	1.1
50%	-0.8	-0.8	-0.8	-0.9	-0.8	-0.8	-0.9	-0.8	-0.8	-0.8	-0.8	-0.9
10%	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
N	12	12	12	12	12	12	12	12	12	12	12	12
AUG MEAN	0.8	0.8	0.8	0.9	0.8	0.8	0.9	0.8	0.8	0.8	0.8	0.9
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-0.9	-0.8	-0.8	-0.9	-0.8	-0.8	-0.8	-0.8	-0.9
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	6	6	6	6	6	6	6	6	6	6	6	6
SEP MEAN	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8	-0.8
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	4	4	4	4	4	4	4	4	4	4
OCT MEAN	0.9	0.9	0.9	1.0	0.9	0.9	1.0	0.9	0.9	0.9	0.9	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.9	-0.9	-0.9	-1.0	-0.9	-0.9	-1.0	-0.9	-0.9	-0.9	-0.9	-1.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	2	2	2
NOV MEAN	0.8	0.8	0.8	1.0	0.8	0.8	1.0	0.8	0.8	0.8	0.8	1.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.8	-0.8	-0.8	-1.0	-0.8	-0.8	-1.0	-0.8	-0.8	-0.8	-0.8	-1.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	2	2	2
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0

STATION 10

SCENARIO SUMMARY LISTING FOR BORON IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC6M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7
90%	0.7	0.7	0.7	1.1	0.7	0.7	1.1	0.7	0.7	0.7	0.7	1.1
50%	-0.5	-0.5	-0.5	-0.6	-0.5	-0.5	-0.6	-0.5	-0.5	-0.5	-0.5	-0.6
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
N	24	24	24	23	24	24	23	24	24	24	24	23
APR MEAN	0.5	0.5	0.5	0.7	0.5	0.5	0.7	0.5	0.5	0.5	0.5	0.7
90%	0.7	0.7	0.7	1.2	0.7	0.7	1.2	0.7	0.7	0.7	0.7	1.2
50%	-0.5	-0.5	-0.5	-0.6	-0.5	-0.5	-0.6	-0.5	-0.5	-0.5	-0.5	-0.6
10%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
N	26	26	26	23	26	26	23	26	26	26	26	23
MAY MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
90%	0.7	0.7	0.7	0.8	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.8
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
10%	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
N	10	10	10	10	10	10	10	10	10	10	10	10
JUN MEAN	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.6	-0.6	-0.6	-0.7	-0.6	-0.6	-0.7	-0.6	-0.6	-0.6	-0.6	-0.7
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7	7	7	7	7	7	7
JUL MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	2	2	2
AUG MEAN	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1	1	1	1	1	1	1
SEP MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0

STATION 11

SCENARIO SUMMARY LISTING FCF BORN IN UNITS OF MG/L

MO YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
50%	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
N	25	25	28	42	25	28	42	28	28	25	28	42
FEB MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
50%	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
N	20	20	20	22	20	20	22	20	20	20	20	22
MAR MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90%	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
N	41	41	41	41	41	41	41	41	41	41	41	41
APR MEAN	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90%	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
50%	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2	-0.2
10%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
N	42	42	42	41	42	42	41	42	42	42	42	41
MAY MEAN	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90%	0.6	0.6	0.6	0.5	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.5
50%	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4
10%	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1
N	42	42	42	36	42	42	36	42	42	42	42	36
JUN MEAN	0.5	0.5	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.4
90%	0.7	0.7	0.7	0.5	0.7	0.7	0.5	0.7	0.7	0.7	0.7	0.5
50%	-0.5	-0.5	-0.5	-0.4	-0.5	-0.5	-0.4	-0.5	-0.5	-0.5	-0.5	-0.4
10%	0.2	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.1
N	42	42	42	23	42	42	23	42	42	42	42	23
JUL MEAN	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
90%	0.6	0.6	0.6	0.0	0.6	0.6	0.0	0.6	0.6	0.6	0.6	0.0
50%	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6	-0.6
10%	0.5	0.6	0.5	0.0	0.6	0.5	0.0	0.5	0.5	0.6	0.5	0.0
N	41	41	13	4	41	13	4	13	13	41	13	4
AUG MEAN	0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6
90%	0.7	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0
50%	-0.7	-0.7	-0.7	-0.6	-0.7	-0.7	-0.6	-0.7	-0.7	-0.7	-0.7	-0.6
10%	0.6	0.6	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	0.0	0.0
N	15	15	6	4	15	6	4	6	6	15	6	4
SEP MEAN	0.6	0.6	0.6	0.4	0.6	0.6	0.4	0.6	0.6	0.6	0.6	0.4
90%	0.8	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.0	0.0
50%	-0.7	-0.7	-0.6	-0.4	-0.7	-0.6	-0.4	-0.6	-0.6	-0.7	-0.6	-0.4
10%	0.5	0.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.0	0.0
N	17	17	7	1	17	7	1	7	7	17	7	1
OCT MEAN	0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.6	0.6
90%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
50%	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
N	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
90%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
50%	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
N	40	40	42	42	40	42	42	42	42	40	42	42
DEC MEAN	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
50%	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
10%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
N	39	39	41	42	39	41	42	41	41	39	41	42

STATION 12

SCENARIO SUMMARY LISTING FOR PORON IN UNITS OF MG/L

MC YEAR	SC-2	SC-4	SC-8	SC12	SC4M	SC8M	SC12M	SC8N	SC8P	SC4NM	SC8NM	SC12NM
JAN MEAN	1.3	2.6	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.5	0.0	0.0
90%	1.4	3.7	0.0	0.0	2.5	0.0	0.0	0.0	0.0	1.7	0.0	0.0
50%	1.3	2.5	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.4	0.0	0.0
10%	1.2	1.5	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.2	0.0	0.0
N	42	42	0	0	42	0	0	0	0	42	0	0
FEB MEAN	1.3	2.6	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.4	0.0	0.0
90%	1.5	4.1	0.0	0.0	2.6	0.0	0.0	0.0	0.0	1.7	0.0	0.0
50%	1.3	2.6	0.0	0.0	1.8	0.0	0.0	0.0	0.0	1.4	0.0	0.0
10%	1.0	1.4	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.1	0.0	0.0
N	42	42	0	0	42	0	0	0	0	42	0	0
MAR MEAN	0.5	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5
90%	0.8	0.9	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.0	0.0
50%	0.5	0.6	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5
10%	0.3	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0
N	35	35	7	3	35	7	3	7	7	35	7	3
APR MEAN	0.6	0.8	0.8	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6
90%	0.8	1.1	1.0	1.2	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8
50%	0.6	0.8	0.9	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6
10%	0.4	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5
N	42	42	23	11	42	23	11	23	23	42	23	11
MAY MEAN	0.8	1.1	1.4	1.2	0.9	1.0	0.9	1.0	1.0	0.9	0.9	0.8
90%	1.0	1.4	2.0	2.3	1.2	1.2	1.0	1.3	1.2	1.1	1.2	1.0
50%	0.8	1.1	1.2	1.0	0.9	1.0	0.8	1.0	1.0	0.9	0.9	0.8
10%	0.6	0.8	0.8	0.7	0.7	0.7	0.6	0.7	0.7	0.7	0.7	0.6
N	42	42	23	14	42	24	14	24	24	42	24	14
JUN MEAN	0.9	1.1	1.2	1.2	1.0	1.0	0.9	1.0	1.0	0.9	0.9	0.9
90%	1.1	1.4	1.7	1.7	1.2	1.2	1.1	1.2	1.2	1.1	1.2	1.1
50%	0.9	1.1	1.3	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10%	0.7	0.8	0.5	0.6	0.8	0.5	0.6	0.5	0.5	0.8	0.5	0.6
N	41	41	28	14	41	28	14	28	28	41	28	14
JUL MEAN	0.9	1.1	1.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90%	1.0	1.4	1.7	1.2	1.1	1.2	1.1	1.2	1.2	1.1	1.1	1.0
50%	0.9	1.0	1.1	1.0	0.9	1.0	1.0	1.0	1.0	0.9	1.0	1.0
10%	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.9	0.9
N	37	37	28	16	37	28	16	28	28	37	28	16
AUG MEAN	1.0	1.2	1.2	1.0	1.1	1.0	1.0	1.1	1.0	1.1	1.0	1.0
90%	1.1	1.5	1.7	1.1	1.3	1.2	1.0	1.3	1.2	1.2	1.2	1.0
50%	1.0	1.2	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
10%	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
N	33	33	27	16	33	26	16	26	26	33	26	16
SEP MEAN	1.0	1.3	1.6	1.0	1.2	1.2	1.0	1.2	1.2	1.1	1.1	1.0
90%	1.2	1.9	2.3	1.1	1.4	1.5	1.0	1.5	1.4	1.3	1.3	1.0
50%	1.0	1.4	1.7	1.0	1.2	1.2	1.0	1.2	1.2	1.1	1.2	1.0
10%	1.0	1.0	1.0	0.9	0.9	1.0	0.9	1.0	1.0	0.9	1.0	0.9
N	38	38	29	16	38	29	16	29	29	38	29	16
OCT MEAN	1.2	1.6	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.2	0.0	0.0
90%	1.3	2.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.4	0.0	0.0
50%	1.2	1.5	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.2	0.0	0.0
10%	1.0	1.2	0.0	0.0	1.1	0.0	0.0	0.0	0.0	1.1	0.0	0.0
N	42	42	0	0	42	0	0	0	0	42	0	0
NOV MEAN	1.2	1.6	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.2	0.0	0.0
90%	1.3	2.3	0.0	0.0	1.6	0.0	0.0	0.0	0.0	1.4	0.0	0.0
50%	1.2	1.6	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.2	0.0	0.0
10%	1.1	1.3	0.0	0.0	1.2	0.0	0.0	0.0	0.0	1.1	0.0	0.0
N	42	42	0	0	42	0	0	0	0	42	0	0
DEC MEAN	1.3	1.9	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.3	0.0	0.0

ATTACHMENT 4

Predicted Sulphate Concentrations in the Poplar River Basin for Predevelopment and the Various Development Scenarios and for the Assumptions that all Salt Applied in Irrigation Water is Returned (SC-4W) and that there is no Ash Lagoon Pickup (SC-10A).

STATION 1

SCENARIO SUMMARY LISTING FOR S04 IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC-10	SC-11	SC-12	SC-13	SC-14	SC-15
JAN MEAN	370.	370.	210.	330.	350.	350.	430.	480.	480.	440.	480.	480.	440.	480.	480.
90%	450.	470.	310.	430.	460.	460.	600.	710.	710.	600.	710.	710.	600.	710.	710.
50%	370.	370.	210.	330.	350.	350.	430.	480.	480.	440.	480.	480.	440.	480.	480.
10%	290.	330.	140.	240.	250.	250.	300.	310.	310.	310.	300.	300.	310.	300.	300.
N	28	28	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	310.	310.	210.	330.	340.	340.	430.	470.	470.	430.	470.	470.	430.	470.	470.
90%	410.	420.	300.	410.	440.	440.	610.	730.	730.	600.	710.	710.	600.	710.	710.
50%	320.	330.	210.	310.	320.	320.	410.	430.	430.	410.	430.	430.	410.	430.	430.
10%	180.	180.	140.	250.	250.	250.	300.	310.	310.	300.	300.	300.	300.	300.	300.
N	28	28	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	100.	70.	210.	280.	290.	290.	330.	340.	340.	330.	340.	340.	330.	340.	340.
90%	240.	140.	260.	330.	350.	350.	390.	400.	400.	400.	440.	440.	400.	440.	440.
50%	60.	40.	210.	210.	240.	240.	310.	320.	320.	310.	320.	320.	310.	320.	320.
10%	20.	20.	160.	230.	230.	230.	270.	280.	280.	270.	280.	280.	270.	280.	280.
N	42	27	42	42	42	42	42	42	42	42	42	42	42	42	42
APR MEAN	80.	100.	190.	250.	260.	260.	300.	310.	310.	290.	300.	300.	290.	300.	300.
90%	140.	150.	260.	320.	340.	340.	370.	410.	410.	340.	360.	360.	340.	360.	360.
50%	70.	70.	190.	240.	260.	260.	290.	290.	290.	290.	300.	300.	290.	300.	300.
10%	10.	10.	110.	190.	200.	200.	240.	250.	250.	250.	250.	250.	250.	250.	250.
N	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	130.	130.	210.	270.	270.	270.	320.	330.	330.	320.	330.	330.	320.	330.	330.
90%	160.	170.	270.	320.	330.	330.	400.	430.	430.	380.	440.	440.	380.	440.	440.
50%	130.	130.	210.	270.	270.	270.	310.	310.	310.	320.	330.	330.	320.	330.	330.
10%	70.	70.	140.	220.	220.	220.	250.	260.	260.	250.	260.	260.	250.	260.	260.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	150.	150.	210.	280.	290.	290.	350.	360.	360.	340.	370.	370.	340.	370.	370.
90%	180.	180.	270.	350.	370.	370.	510.	560.	560.	510.	510.	510.	510.	510.	510.
50%	150.	150.	200.	270.	280.	280.	340.	350.	350.	330.	350.	350.	330.	350.	350.
10%	100.	100.	160.	230.	230.	230.	270.	260.	260.	260.	280.	280.	260.	280.	280.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	170.	180.	200.	290.	310.	310.	350.	390.	390.	360.	380.	380.	360.	380.	380.
90%	220.	230.	280.	380.	400.	400.	480.	540.	540.	470.	520.	520.	470.	520.	520.
50%	160.	160.	200.	280.	290.	290.	350.	360.	360.	340.	350.	350.	340.	350.	350.
10%	130.	130.	150.	230.	240.	240.	260.	270.	270.	270.	270.	270.	270.	270.	270.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG MEAN	200.	200.	210.	310.	320.	320.	380.	400.	400.	380.	420.	420.	380.	420.	420.
90%	260.	270.	300.	420.	450.	450.	480.	540.	540.	480.	590.	590.	480.	590.	590.
50%	180.	170.	200.	300.	310.	310.	370.	370.	370.	360.	390.	390.	360.	390.	390.
10%	160.	160.	160.	220.	230.	230.	270.	270.	270.	270.	280.	280.	270.	280.	280.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP MEAN	190.	190.	220.	310.	320.	320.	360.	400.	400.	370.	390.	390.	370.	390.	390.
90%	250.	250.	290.	440.	460.	460.	480.	530.	530.	480.	530.	530.	480.	530.	530.
50%	170.	170.	210.	290.	300.	300.	350.	370.	370.	360.	380.	380.	360.	380.	380.
10%	150.	150.	170.	230.	240.	240.	280.	280.	280.	280.	280.	280.	280.	280.	280.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT MEAN	180.	180.	230.	310.	320.	320.	360.	380.	380.	360.	380.	380.	360.	380.	380.
90%	240.	240.	280.	410.	430.	430.	450.	510.	510.	480.	500.	500.	480.	500.	500.
50%	170.	170.	220.	300.	300.	300.	350.	350.	350.	360.	370.	370.	360.	370.	370.
10%	140.	140.	200.	250.	250.	250.	280.	280.	280.	290.	280.	280.	290.	280.	280.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	210.	210.	230.	310.	320.	320.	370.	390.	390.	370.	390.	390.	370.	390.	390.
90%	230.	240.	280.	410.	430.	430.	500.	570.	570.	500.	520.	520.	500.	520.	520.
50%	210.	210.	220.	300.	310.	310.	360.	360.	360.	370.	370.	370.	370.	370.	370.
10%	170.	170.	190.	250.	250.	250.	250.	290.	290.	290.	290.	290.	290.	290.	290.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	270.	270.	220.	320.	330.	330.	400.	430.	430.	400.	430.	430.	400.	430.	430.
90%	350.	350.	300.	420.	440.	440.	540.	650.	650.	570.	600.	600.	570.	600.	600.
50%	270.	270.	210.	300.	310.	310.	390.	390.	390.	390.	410.	410.	390.	410.	410.
10%	210.	210.	180.	240.	250.	250.	300.	290.	290.	300.	300.	300.	300.	300.	300.
N	41	41	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 1

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	370.	330.	430.	440.	430.	480.
90%	470.	430.	600.	600.	600.	710.
50%	380.	320.	420.	430.	420.	450.
10%	300.	240.	300.	310.	300.	310.
N	28	42	42	42	42	42
FEB MEAN	310.	330.	430.	430.	430.	470.
90%	420.	410.	610.	600.	610.	730.
50%	330.	310.	410.	410.	410.	430.
10%	180.	250.	300.	300.	300.	310.
N	28	42	42	42	42	42
MAR MEAN	90.	280.	330.	330.	330.	340.
90%	290.	330.	390.	400.	390.	400.
50%	40.	210.	310.	310.	310.	320.
10%	20.	230.	270.	270.	270.	280.
N	29	42	42	42	42	42
APR MEAN	100.	250.	300.	290.	300.	310.
90%	150.	320.	370.	340.	370.	410.
50%	70.	260.	290.	290.	290.	290.
10%	10.	190.	240.	250.	240.	250.
N	41	42	42	42	42	42
MAY MEAN	130.	270.	320.	320.	320.	330.
90%	170.	320.	400.	380.	400.	430.
50%	130.	210.	310.	320.	310.	310.
10%	70.	220.	250.	250.	250.	260.
N	42	42	42	42	42	42
JUN MEAN	150.	280.	350.	340.	350.	360.
90%	180.	350.	510.	510.	510.	560.
50%	150.	210.	340.	340.	340.	330.
10%	100.	220.	270.	260.	270.	260.
N	42	42	42	42	42	42
JUL MEAN	180.	290.	350.	360.	350.	390.
90%	230.	380.	480.	470.	480.	540.
50%	160.	280.	340.	340.	340.	360.
10%	130.	230.	260.	270.	260.	270.
N	42	42	42	42	42	42
AUG MEAN	200.	310.	380.	380.	380.	400.
90%	270.	420.	480.	480.	480.	540.
50%	190.	300.	370.	360.	370.	370.
10%	160.	220.	270.	270.	270.	270.
N	42	42	42	42	42	42
SEP MEAN	190.	310.	360.	370.	360.	400.
90%	250.	440.	480.	480.	480.	530.
50%	170.	290.	340.	360.	340.	370.
10%	150.	230.	280.	280.	280.	280.
N	42	42	42	42	42	42
OCT MEAN	180.	310.	360.	360.	360.	380.
90%	240.	410.	450.	480.	450.	510.
50%	170.	300.	350.	360.	350.	350.
10%	140.	250.	280.	290.	280.	280.
N	42	42	42	42	42	42
NOV MEAN	210.	310.	370.	370.	370.	390.
90%	240.	410.	500.	500.	500.	570.
50%	210.	300.	360.	370.	360.	360.
10%	170.	250.	290.	290.	290.	290.
N	42	42	42	42	42	42
DEC MEAN	270.	320.	400.	400.	400.	430.
90%	350.	420.	540.	570.	540.	650.
50%	210.	300.	390.	390.	390.	390.
10%	210.	240.	300.	300.	300.	290.
N	41	42	42	42	42	42

STATION 1 SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN MEAN	370.	370.	210.	330.	330.	440.	280.
90%	450.	470.	310.	430.	430.	600.	390.
50%	370.	380.	200.	320.	320.	430.	270.
10%	290.	300.	140.	240.	240.	310.	180.
N	28	28	42	42	42	42	42
FEB MEAN	310.	310.	210.	330.	330.	430.	280.
90%	410.	420.	300.	410.	410.	600.	380.
50%	320.	330.	210.	310.	310.	410.	260.
10%	180.	180.	140.	250.	250.	300.	180.
N	28	28	42	42	42	42	42
MAR MEAN	100.	70.	210.	280.	280.	330.	250.
90%	240.	140.	260.	330.	330.	400.	300.
50%	50.	40.	210.	270.	270.	310.	240.
10%	20.	20.	160.	230.	230.	270.	210.
N	42	27	42	42	42	42	42
APR MEAN	80.	100.	190.	250.	250.	290.	220.
90%	140.	150.	260.	320.	320.	340.	270.
50%	70.	70.	190.	260.	260.	290.	240.
10%	10.	10.	110.	190.	190.	250.	150.
N	42	41	42	42	42	42	42
MAY MEAN	130.	130.	210.	270.	270.	320.	230.
90%	160.	170.	270.	320.	320.	380.	300.
50%	130.	130.	210.	270.	270.	320.	230.
10%	70.	70.	140.	220.	220.	250.	180.
N	42	42	42	42	42	42	42
JUN MEAN	150.	150.	210.	280.	280.	340.	240.
90%	180.	180.	270.	350.	350.	510.	310.
50%	150.	150.	200.	270.	270.	330.	240.
10%	100.	100.	160.	220.	220.	260.	190.
N	42	42	42	42	42	42	42
JUL MEAN	170.	180.	200.	290.	290.	360.	250.
90%	220.	230.	280.	380.	380.	470.	330.
50%	160.	160.	200.	280.	280.	340.	240.
10%	130.	130.	150.	230.	230.	270.	180.
N	42	42	42	42	42	42	42
AUG MEAN	200.	200.	210.	310.	310.	380.	260.
90%	260.	270.	300.	420.	420.	480.	350.
50%	180.	190.	200.	300.	300.	360.	250.
10%	160.	160.	160.	220.	220.	270.	190.
N	42	42	42	42	42	42	42
SEP MEAN	190.	190.	220.	310.	310.	370.	260.
90%	250.	250.	290.	440.	440.	480.	340.
50%	170.	170.	210.	290.	290.	360.	250.
10%	150.	150.	170.	230.	230.	280.	200.
N	42	42	42	42	42	42	42
OCT MEAN	180.	180.	230.	310.	310.	360.	260.
90%	240.	240.	280.	410.	410.	480.	340.
50%	170.	170.	220.	300.	300.	360.	250.
10%	140.	140.	200.	250.	250.	290.	220.
N	42	42	42	42	42	42	42
NOV MEAN	210.	210.	230.	310.	310.	370.	270.
90%	230.	240.	280.	410.	410.	500.	350.
50%	210.	210.	220.	300.	300.	370.	250.
10%	170.	170.	190.	250.	250.	290.	210.
N	42	42	42	42	42	42	42
DEC MEAN	270.	270.	220.	320.	320.	400.	270.
90%	350.	350.	300.	420.	420.	570.	380.
50%	270.	270.	210.	300.	300.	390.	260.
10%	210.	210.	180.	240.	240.	300.	210.
N	41	41	42	42	42	42	42

STATION 2

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	60.	60.	60.	60.	60.	60.	60.	60.	60.	110.	110.	110.	50.	50.	50.
90%	120.	120.	120.	120.	120.	120.	120.	120.	120.	240.	240.	240.	100.	100.	100.
50%	-40.	-40.	-40.	-40.	-40.	-40.	-40.	-40.	-40.	-50.	-50.	-50.	-40.	-40.	-40.
10%	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
N	34	34	34	34	34	34	34	34	34	31	31	31	31	31	31
APR MEAN	70.	70.	70.	70.	70.	70.	70.	70.	70.	100.	100.	100.	50.	50.	50.
90%	130.	130.	130.	130.	130.	130.	130.	130.	130.	240.	240.	240.	110.	110.	110.
50%	-10.	-10.	-10.	-10.	-10.	-10.	-10.	-10.	-10.	-60.	-60.	-60.	-50.	-50.	-50.
10%	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
N	40	40	40	40	40	40	40	40	40	30	30	30	30	30	30
MAY MEAN	110.	110.	110.	110.	110.	110.	110.	110.	110.	130.	130.	130.	90.	90.	90.
90%	140.	140.	140.	140.	140.	140.	140.	140.	140.	220.	220.	220.	130.	130.	130.
50%	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	100.	100.	100.
10%	50.	50.	50.	50.	50.	50.	50.	50.	50.	40.	40.	40.	30.	30.	30.
N	28	28	28	28	28	28	28	28	28	17	17	17	17	17	17
JUN MEAN	110.	110.	110.	110.	110.	110.	110.	110.	110.	130.	130.	130.	100.	100.	100.
90%	140.	140.	140.	140.	140.	140.	140.	140.	140.	170.	170.	170.	130.	130.	130.
50%	110.	110.	110.	110.	110.	110.	110.	110.	110.	130.	130.	130.	110.	110.	110.
10%	70.	70.	70.	70.	70.	70.	70.	70.	70.	80.	80.	80.	70.	70.	70.
N	16	16	16	16	16	16	16	16	16	14	14	14	14	14	14
JUL MEAN	120.	120.	120.	120.	120.	120.	120.	120.	120.	140.	140.	140.	120.	120.	120.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	130.	130.	130.	130.	130.	130.	130.	130.	130.	140.	140.	140.	130.	130.	130.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
AUG MEAN	120.	120.	120.	120.	120.	120.	120.	120.	120.	130.	130.	130.	120.	120.	120.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	120.	120.	120.	120.	120.	120.	120.	120.	120.	130.	130.	130.	120.	120.	120.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SEP MEAN	130.	130.	130.	130.	130.	130.	130.	130.	130.	150.	150.	150.	130.	130.	130.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	130.	130.	130.	130.	130.	130.	130.	130.	130.	150.	150.	150.	130.	130.	130.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
OCT MEAN	130.	130.	130.	130.	130.	130.	130.	130.	130.	160.	160.	160.	130.	130.	130.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	140.	140.	140.	140.	140.	140.	140.	140.	140.	170.	170.	170.	140.	140.	140.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
NOV MEAN	210.	210.	210.	210.	210.	210.	210.	210.	210.	210.	210.	210.	210.	210.	210.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	210.	210.	210.	210.	210.	210.	210.	210.	210.	210.	210.	210.	210.	210.	210.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 2

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
MAR MEAN	60.	60.	60.	110.	60.	60.
90%	120.	120.	120.	240.	120.	120.
50%	--40.	--40.	--40.	--50.	--40.	--40.
10%	20.	20.	20.	20.	20.	20.
N	34	34	34	31	34	34
APR MEAN	70.	70.	70.	100.	70.	70.
90%	130.	130.	130.	260.	130.	130.
50%	--70.	--70.	--70.	--60.	--70.	--70.
10%	10.	10.	10.	10.	10.	10.
N	40	40	40	30	40	40
MAY MEAN	110.	110.	110.	130.	110.	110.
90%	140.	140.	140.	220.	140.	140.
50%	120.	120.	120.	120.	120.	120.
10%	50.	50.	50.	40.	50.	50.
N	28	28	28	17	28	28
JUN MEAN	110.	110.	110.	130.	110.	110.
90%	140.	140.	140.	170.	140.	140.
50%	110.	110.	110.	130.	110.	110.
10%	70.	70.	70.	80.	70.	70.
N	16	16	16	14	16	16
JUL MEAN	120.	120.	120.	140.	120.	120.
90%	0.	0.	0.	0.	0.	0.
50%	130.	130.	130.	140.	130.	130.
10%	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7
AUG MEAN	120.	120.	120.	130.	120.	120.
90%	0.	0.	0.	0.	0.	0.
50%	120.	120.	120.	130.	120.	120.
10%	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2
SEP MEAN	130.	130.	130.	150.	130.	130.
90%	0.	0.	0.	0.	0.	0.
50%	130.	130.	130.	150.	130.	130.
10%	0.	0.	0.	0.	0.	0.
N	4	4	4	4	4	4
OCT MEAN	130.	130.	130.	160.	130.	130.
90%	0.	0.	0.	0.	0.	0.
50%	140.	140.	140.	170.	140.	140.
10%	0.	0.	0.	0.	0.	0.
N	5	5	5	5	5	5
NOV MEAN	210.	210.	210.	210.	210.	210.
90%	0.	0.	0.	0.	0.	0.
50%	210.	210.	210.	210.	210.	210.
10%	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1
DEC MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0

STATION 2

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN MEAN	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0
MAR MEAN	60.	60.	60.	60.	60.	110.	110.
90%	120.	120.	120.	120.	120.	240.	240.
50%	40.	40.	40.	40.	40.	50.	50.
10%	20.	20.	20.	20.	20.	20.	20.
N	34	34	34	34	34	31	31
APR MEAN	70.	70.	70.	70.	70.	100.	100.
90%	130.	130.	130.	130.	130.	260.	260.
50%	70.	70.	70.	70.	70.	60.	60.
10%	10.	10.	10.	10.	10.	10.	10.
N	40	40	40	40	40	30	30
MAY MEAN	110.	110.	110.	110.	110.	130.	130.
90%	140.	140.	140.	140.	140.	220.	220.
50%	120.	120.	120.	120.	120.	120.	120.
10%	50.	50.	50.	50.	50.	40.	40.
N	28	28	28	28	28	17	17
JUN MEAN	110.	110.	110.	110.	110.	130.	130.
90%	140.	140.	140.	140.	140.	170.	170.
50%	110.	110.	110.	110.	110.	130.	130.
10%	70.	70.	70.	70.	70.	80.	80.
N	16	16	16	16	16	14	14
JUL MEAN	120.	120.	120.	120.	120.	140.	140.
90%	0.	0.	0.	0.	0.	0.	0.
50%	130.	130.	130.	130.	130.	140.	140.
10%	0.	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7	7
AUG MEAN	120.	120.	120.	120.	120.	130.	130.
90%	0.	0.	0.	0.	0.	0.	0.
50%	120.	120.	120.	120.	120.	130.	130.
10%	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2
SEP MEAN	130.	130.	130.	130.	130.	150.	150.
90%	0.	0.	0.	0.	0.	0.	0.
50%	130.	130.	130.	130.	130.	150.	150.
10%	0.	0.	0.	0.	0.	0.	0.
N	4	4	4	4	4	4	4
OCT MEAN	130.	130.	130.	130.	130.	160.	160.
90%	0.	0.	0.	0.	0.	0.	0.
50%	140.	140.	140.	140.	140.	170.	170.
10%	0.	0.	0.	0.	0.	0.	0.
N	5	5	5	5	5	5	5
NOV MEAN	210.	210.	210.	210.	210.	210.	210.
90%	0.	0.	0.	0.	0.	0.	0.
50%	210.	210.	210.	210.	210.	210.	210.
10%	0.	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1	1
DEC MEAN	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0

STATION 3

SCENARIO SUMMARY LISTING FOR S04 IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	330.	330.	210.	330.	350.	350.	430.	470.	470.	440.	470.	470.	440.	470.	470.
90%	380.	390.	310.	430.	450.	450.	600.	700.	690.	590.	700.	690.	590.	700.	690.
50%	340.	330.	200.	320.	340.	340.	520.	540.	540.	430.	440.	430.	430.	440.	430.
10%	270.	260.	140.	250.	250.	260.	300.	310.	310.	310.	310.	310.	310.	310.	310.
N	16	14	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	290.	290.	220.	330.	340.	340.	420.	460.	450.	420.	450.	450.	420.	450.	450.
90%	390.	380.	290.	410.	440.	430.	590.	670.	670.	590.	670.	660.	590.	670.	660.
50%	310.	300.	210.	310.	320.	320.	410.	420.	420.	410.	430.	430.	410.	430.	430.
10%	170.	160.	140.	250.	250.	250.	290.	300.	300.	290.	290.	290.	290.	290.	290.
N	23	22	41	42	42	41	42	42	42	42	42	42	42	42	42
MAR MEAN	140.	130.	180.	190.	190.	180.	190.	190.	190.	200.	210.	200.	200.	200.	200.
90%	270.	310.	270.	290.	310.	230.	320.	330.	230.	330.	340.	260.	330.	340.	250.
50%	100.	100.	170.	180.	170.	170.	180.	180.	170.	180.	180.	180.	180.	180.	180.
10%	60.	70.	140.	150.	140.	140.	150.	130.	130.	150.	140.	140.	150.	140.	130.
N	42	30	30	30	29	28	30	29	28	29	29	27	29	29	27
APR MEAN	120.	130.	190.	220.	220.	220.	230.	230.	230.	230.	230.	230.	230.	230.	230.
90%	180.	200.	250.	280.	280.	280.	300.	330.	330.	290.	300.	310.	290.	300.	310.
50%	120.	120.	190.	220.	220.	220.	230.	230.	230.	230.	220.	220.	230.	220.	220.
10%	60.	60.	120.	160.	160.	160.	170.	160.	160.	170.	150.	150.	170.	150.	150.
N	42	40	42	42	42	41	42	42	41	42	41	41	42	41	41
MAY MEAN	160.	170.	220.	260.	260.	260.	290.	300.	290.	290.	300.	300.	290.	290.	300.
90%	200.	210.	260.	310.	320.	320.	340.	370.	360.	350.	370.	370.	350.	370.	370.
50%	170.	170.	230.	260.	260.	260.	290.	290.	290.	290.	300.	300.	290.	290.	300.
10%	110.	110.	160.	200.	200.	200.	220.	220.	220.	230.	230.	230.	230.	230.	230.
N	42	41	42	42	42	41	42	42	41	42	41	41	42	41	41
JUN MEAN	180.	180.	230.	270.	280.	280.	320.	320.	320.	310.	330.	330.	310.	330.	330.
90%	210.	210.	270.	340.	350.	340.	420.	440.	430.	390.	440.	430.	390.	440.	430.
50%	190.	190.	220.	260.	270.	270.	300.	290.	300.	300.	310.	310.	300.	310.	310.
10%	130.	140.	190.	220.	230.	230.	240.	240.	240.	240.	240.	250.	240.	240.	240.
N	42	41	42	41	40	41	41	41	40	41	41	40	41	41	40
JUL MEAN	200.	200.	220.	280.	290.	290.	330.	350.	350.	330.	350.	340.	330.	350.	340.
90%	250.	220.	270.	340.	360.	360.	410.	430.	430.	410.	440.	430.	410.	440.	430.
50%	200.	200.	220.	280.	290.	290.	310.	330.	330.	310.	330.	340.	310.	330.	340.
10%	160.	170.	180.	220.	230.	230.	250.	250.	250.	250.	250.	260.	250.	250.	260.
N	42	40	42	42	42	41	42	42	41	42	42	41	42	42	41
AUG MEAN	220.	230.	230.	310.	320.	320.	360.	380.	370.	360.	390.	380.	360.	390.	380.
90%	280.	270.	310.	410.	430.	390.	460.	490.	490.	450.	560.	500.	450.	560.	500.
50%	210.	220.	230.	290.	300.	300.	340.	340.	340.	330.	370.	370.	330.	370.	370.
10%	190.	200.	190.	240.	250.	250.	280.	290.	290.	270.	280.	290.	270.	280.	290.
N	41	37	42	42	42	40	42	42	40	42	42	40	42	42	40
SEP MEAN	210.	220.	240.	300.	310.	310.	340.	360.	360.	350.	370.	360.	350.	370.	360.
90%	250.	270.	300.	420.	430.	390.	430.	470.	460.	440.	470.	460.	440.	470.	460.
50%	200.	210.	230.	290.	300.	300.	320.	340.	340.	340.	330.	330.	340.	330.	330.
10%	180.	180.	210.	240.	250.	260.	270.	280.	280.	280.	280.	280.	280.	280.	280.
N	41	39	42	42	42	40	42	41	41	42	42	41	42	42	41
OCT MEAN	210.	210.	250.	300.	310.	310.	330.	340.	340.	330.	340.	350.	330.	340.	350.
90%	250.	240.	280.	380.	390.	390.	380.	440.	440.	420.	440.	440.	420.	440.	440.
50%	200.	200.	240.	280.	290.	290.	320.	320.	320.	320.	330.	330.	320.	330.	330.
10%	170.	180.	230.	260.	260.	260.	270.	270.	270.	270.	270.	280.	270.	270.	280.
N	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	220.	230.	240.	320.	320.	330.	360.	380.	380.	360.	380.	380.	360.	380.	380.
90%	250.	260.	290.	380.	400.	400.	460.	510.	510.	460.	490.	480.	460.	490.	480.
50%	220.	220.	240.	300.	310.	310.	350.	360.	360.	360.	370.	370.	360.	370.	370.
10%	190.	190.	220.	260.	260.	270.	290.	290.	290.	290.	290.	290.	290.	290.	290.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	270.	280.	230.	320.	330.	330.	390.	420.	420.	400.	420.	420.	400.	420.	420.
90%	350.	350.	300.	390.	400.	400.	530.	610.	600.	540.	590.	590.	540.	590.	590.
50%	270.	270.	220.	300.	310.	320.	380.	380.	380.	390.	400.	400.	390.	400.	400.
10%	210.	220.	180.	250.	260.	260.	300.	300.	300.	300.	300.	300.	300.	300.	300.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 3

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	330.	330.	430.	440.	430.	470.
90%	380.	430.	600.	600.	600.	710.
50%	340.	320.	420.	410.	420.	450.
10%	270.	240.	300.	310.	300.	310.
N	16	42	42	42	42	42
FEB MEAN	300.	330.	420.	420.	420.	460.
90%	400.	410.	590.	590.	590.	670.
50%	310.	310.	410.	410.	410.	420.
10%	170.	250.	290.	290.	290.	300.
N	23	42	42	42	42	42
MAR MEAN	160.	210.	230.	240.	230.	230.
90%	320.	310.	350.	360.	350.	370.
50%	130.	120.	120.	220.	120.	200.
10%	70.	150.	150.	150.	150.	140.
N	40	42	42	42	42	42
APR MEAN	130.	210.	230.	230.	230.	230.
90%	200.	270.	300.	290.	300.	320.
50%	120.	210.	220.	230.	220.	230.
10%	60.	160.	170.	170.	170.	160.
N	42	42	42	42	42	42
MAY MEAN	160.	250.	280.	290.	280.	300.
90%	200.	310.	340.	350.	340.	370.
50%	170.	250.	280.	280.	280.	290.
10%	110.	200.	220.	230.	220.	220.
N	42	42	42	42	42	42
JUN MEAN	180.	270.	310.	310.	310.	320.
90%	210.	330.	420.	390.	420.	440.
50%	120.	260.	300.	300.	300.	290.
10%	140.	220.	240.	240.	240.	240.
N	42	41	41	41	41	41
JUL MEAN	200.	280.	320.	330.	320.	350.
90%	250.	340.	400.	410.	400.	430.
50%	200.	270.	310.	310.	310.	330.
10%	160.	220.	240.	240.	240.	250.
N	42	42	42	42	42	42
AUG MEAN	230.	300.	360.	360.	360.	380.
90%	280.	410.	460.	450.	460.	500.
50%	210.	290.	330.	320.	330.	340.
10%	190.	240.	270.	270.	270.	280.
N	41	42	42	42	42	42
SEP MEAN	210.	300.	340.	350.	340.	370.
90%	260.	420.	440.	440.	440.	480.
50%	200.	280.	320.	330.	320.	340.
10%	180.	240.	270.	270.	270.	270.
N	41	42	42	42	42	42
OCT MEAN	210.	300.	320.	330.	320.	340.
90%	250.	380.	380.	420.	380.	450.
50%	200.	280.	320.	320.	320.	320.
10%	170.	260.	270.	270.	270.	260.
N	42	42	42	42	42	42
NOV MEAN	220.	310.	360.	360.	360.	380.
90%	250.	380.	460.	460.	460.	510.
50%	220.	300.	350.	360.	350.	360.
10%	190.	260.	290.	290.	290.	290.
N	42	42	42	42	42	42
DEC MEAN	280.	320.	390.	400.	390.	420.
90%	350.	390.	530.	540.	530.	610.
50%	270.	300.	380.	390.	380.	380.
10%	210.	250.	300.	300.	300.	300.
N	42	42	42	42	42	42

STATION 3

SCENARIO SUMMARY LISTING FOR S04 IN UNITS OF MG/L

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC1C	SC10A
JAN	MEAN	330.	330.	210.	330.	340.	440.	280.
	90%	380.	340.	310.	430.	450.	590.	380.
	50%	240.	330.	200.	320.	320.	430.	270.
	10%	270.	260.	140.	250.	250.	310.	180.
	N	16	14	42	42	42	42	42
FEB	MEAN	290.	290.	220.	330.	330.	420.	270.
	90%	390.	380.	290.	410.	430.	590.	360.
	50%	310.	300.	210.	310.	320.	410.	260.
	10%	170.	160.	140.	250.	250.	290.	180.
	N	23	22	41	42	42	42	41
MAR	MEAN	140.	130.	180.	190.	210.	200.	190.
	90%	270.	310.	270.	290.	340.	330.	280.
	50%	100.	100.	170.	180.	190.	180.	170.
	10%	60.	70.	140.	150.	160.	150.	140.
	N	42	30	30	30	30	29	29
APR	MEAN	120.	130.	190.	220.	230.	230.	210.
	90%	180.	200.	250.	280.	290.	290.	270.
	50%	120.	120.	190.	220.	240.	230.	210.
	10%	60.	60.	120.	160.	160.	170.	140.
	N	42	40	42	42	42	42	41
MAY	MEAN	160.	170.	220.	260.	260.	290.	240.
	90%	200.	210.	260.	310.	330.	350.	290.
	50%	170.	170.	210.	260.	270.	290.	240.
	10%	110.	110.	160.	200.	200.	230.	150.
	N	42	41	42	42	42	42	41
JUN	MEAN	180.	180.	230.	270.	280.	310.	250.
	90%	210.	210.	270.	340.	340.	390.	310.
	50%	190.	190.	220.	260.	270.	300.	240.
	10%	130.	140.	190.	220.	230.	240.	210.
	N	42	41	42	41	41	41	41
JUL	MEAN	200.	200.	220.	280.	290.	330.	250.
	90%	250.	250.	270.	340.	350.	410.	310.
	50%	200.	200.	220.	280.	290.	310.	240.
	10%	160.	170.	180.	220.	230.	250.	200.
	N	42	40	42	42	42	42	42
AUG	MEAN	220.	230.	230.	310.	320.	360.	270.
	90%	280.	270.	310.	410.	430.	450.	350.
	50%	210.	220.	230.	290.	300.	330.	260.
	10%	190.	200.	190.	240.	250.	270.	210.
	N	41	37	42	42	42	42	42
SEP	MEAN	210.	220.	240.	300.	320.	350.	270.
	90%	250.	270.	300.	420.	430.	440.	350.
	50%	200.	210.	230.	290.	300.	340.	260.
	10%	180.	180.	210.	240.	260.	280.	230.
	N	41	39	42	42	42	42	42
OCT	MEAN	210.	210.	250.	300.	310.	330.	270.
	90%	250.	240.	280.	380.	380.	420.	320.
	50%	200.	200.	240.	280.	290.	320.	260.
	10%	170.	180.	230.	260.	270.	270.	240.
	N	42	41	42	42	42	42	42
NOV	MEAN	220.	230.	240.	320.	340.	360.	280.
	90%	250.	260.	290.	380.	400.	460.	340.
	50%	220.	220.	240.	300.	340.	360.	270.
	10%	190.	190.	220.	260.	270.	290.	240.
	N	42	42	42	42	42	42	42
DEC	MEAN	270.	280.	230.	320.	320.	400.	270.
	90%	350.	350.	300.	390.	420.	540.	350.
	50%	270.	270.	220.	300.	310.	320.	260.
	10%	210.	220.	180.	250.	260.	300.	210.
	N	42	42	42	42	42	42	42

STATION 4

SCENARIO SUMMARY LISTING FOR S04 IN UNITS OF MG/L

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	180.	180.	180.	180.	180.	180.	180.	180.	180.	130.	130.	130.	100.	100.	100.
	90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	50%	190.	190.	190.	190.	190.	190.	190.	190.	190.	130.	130.	130.	100.	100.	100.
	10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	N	3	3	3	3	3	3	3	3	3	8	8	8	8	8	8
FEB	MEAN	170.	170.	170.	170.	170.	170.	170.	170.	170.	140.	140.	140.	110.	110.	110.
	90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	190.	190.	190.	150.	150.	150.
	50%	170.	170.	170.	170.	170.	170.	170.	170.	170.	140.	140.	140.	100.	100.	100.
	10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	100.	100.	100.	90.	80.	80.
	N	7	7	7	7	7	7	7	7	7	11	11	11	11	11	11
MAR	MEAN	100.	120.	120.	120.	130.	130.	120.	130.	130.	130.	130.	130.	100.	100.	100.
	90%	140.	170.	170.	170.	210.	210.	170.	210.	210.	170.	170.	170.	120.	120.	120.
	50%	100.	110.	110.	110.	110.	110.	110.	110.	110.	130.	130.	130.	90.	100.	100.
	10%	70.	80.	80.	80.	80.	80.	80.	80.	80.	100.	100.	100.	90.	90.	90.
	N	38	37	37	37	37	37	37	37	37	39	39	39	39	39	39
APR	MEAN	100.	110.	110.	100.	110.	110.	100.	110.	110.	120.	120.	120.	90.	90.	90.
	90%	130.	140.	140.	140.	140.	140.	140.	140.	140.	160.	160.	160.	110.	110.	110.
	50%	100.	100.	100.	100.	100.	100.	100.	100.	100.	120.	120.	120.	90.	90.	90.
	10%	70.	70.	70.	70.	70.	70.	70.	70.	70.	90.	90.	90.	80.	80.	80.
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY	MEAN	130.	130.	130.	130.	130.	130.	130.	130.	130.	120.	120.	120.	90.	90.	90.
	90%	140.	140.	140.	140.	140.	140.	140.	140.	140.	160.	160.	160.	110.	110.	110.
	50%	130.	130.	130.	130.	130.	130.	130.	130.	130.	120.	120.	120.	90.	90.	90.
	10%	100.	100.	100.	100.	100.	100.	100.	100.	100.	90.	90.	90.	80.	80.	80.
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN	MEAN	140.	140.	140.	140.	140.	140.	140.	140.	140.	120.	120.	120.	90.	90.	90.
	90%	170.	170.	170.	170.	170.	170.	170.	170.	170.	170.	170.	170.	110.	110.	110.
	50%	140.	140.	140.	140.	140.	140.	140.	140.	140.	120.	120.	120.	90.	90.	90.
	10%	100.	100.	100.	100.	100.	100.	100.	100.	100.	90.	90.	90.	80.	80.	80.
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL	MEAN	150.	150.	150.	150.	150.	150.	150.	150.	150.	130.	130.	130.	100.	100.	100.
	90%	180.	180.	180.	180.	180.	180.	180.	180.	180.	170.	170.	170.	110.	110.	110.
	50%	160.	160.	160.	160.	160.	160.	160.	160.	160.	130.	130.	130.	90.	90.	90.
	10%	110.	110.	110.	110.	110.	110.	110.	110.	110.	90.	90.	90.	80.	80.	80.
	N	33	33	33	33	33	33	33	33	33	42	42	42	42	42	42
AUG	MEAN	170.	170.	170.	170.	170.	170.	170.	170.	170.	130.	130.	130.	100.	100.	100.
	90%	190.	190.	190.	190.	190.	190.	190.	190.	190.	160.	160.	160.	110.	110.	110.
	50%	170.	170.	170.	170.	170.	170.	170.	170.	170.	120.	130.	130.	90.	90.	90.
	10%	130.	130.	130.	130.	130.	130.	130.	130.	130.	90.	90.	90.	80.	80.	80.
	N	19	19	19	19	19	19	19	19	19	37	37	37	37	37	37
SEP	MEAN	170.	170.	170.	170.	170.	170.	170.	170.	170.	130.	130.	130.	100.	100.	100.
	90%	200.	200.	200.	200.	200.	200.	200.	200.	200.	170.	170.	170.	120.	120.	120.
	50%	170.	170.	170.	170.	170.	170.	170.	170.	170.	130.	130.	130.	90.	90.	90.
	10%	130.	130.	130.	130.	130.	130.	130.	130.	130.	90.	90.	90.	80.	80.	80.
	N	16	16	16	16	16	16	16	16	16	38	38	38	38	38	38
OCT	MEAN	170.	170.	170.	170.	170.	170.	170.	170.	170.	130.	130.	130.	100.	100.	100.
	90%	190.	190.	190.	190.	190.	190.	190.	190.	190.	180.	180.	180.	120.	120.	120.
	50%	160.	160.	160.	160.	160.	160.	160.	160.	160.	130.	130.	130.	90.	90.	90.
	10%	150.	150.	150.	150.	150.	150.	150.	150.	150.	100.	100.	100.	80.	80.	80.
	N	35	35	35	35	35	35	35	35	35	42	42	42	42	42	42
NOV	MEAN	180.	180.	180.	180.	180.	180.	180.	180.	180.	130.	130.	130.	100.	100.	100.
	90%	190.	190.	190.	190.	190.	190.	190.	190.	190.	180.	180.	180.	120.	120.	120.
	50%	170.	170.	170.	170.	170.	170.	170.	170.	170.	130.	130.	130.	90.	90.	90.
	10%	160.	160.	160.	160.	160.	160.	160.	160.	160.	100.	100.	100.	80.	80.	80.
	N	40	40	40	40	40	40	40	40	40	42	42	42	42	42	42
DEC	MEAN	190.	190.	190.	190.	190.	190.	190.	190.	190.	130.	130.	130.	100.	100.	100.
	90%	200.	200.	200.	200.	200.	200.	200.	200.	200.	170.	170.	170.	120.	120.	120.
	50%	190.	190.	190.	190.	190.	190.	190.	190.	190.	130.	130.	130.	90.	90.	90.
	10%	160.	160.	160.	160.	160.	160.	160.	160.	160.	100.	100.	100.	80.	80.	80.
	N	19	19	19	19	19	19	19	19	19	40	40	40	40	40	40

STATION 4

SCENARIO SUMMARY LISTING FOR SC4 IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	180.	180.	180.	130.	180.	180.
90%	0.	0.	0.	0.	0.	0.
50%	120.	120.	120.	110.	120.	120.
10%	0.	0.	0.	0.	0.	0.
N	3	3	3	8	3	3
FEB MEAN	170.	170.	170.	140.	170.	170.
90%	0.	0.	0.	190.	0.	0.
50%	170.	170.	170.	140.	170.	170.
10%	0.	0.	0.	100.	0.	0.
N	7	7	7	11	7	7
MAR MEAN	120.	120.	120.	130.	100.	100.
90%	220.	220.	220.	170.	140.	140.
50%	110.	110.	110.	130.	100.	100.
10%	80.	80.	80.	100.	70.	70.
N	37	37	37	39	37	37
APR MEAN	110.	100.	100.	120.	100.	100.
90%	140.	130.	130.	160.	130.	130.
50%	100.	100.	100.	120.	100.	100.
10%	70.	70.	70.	90.	70.	70.
N	42	42	42	42	42	42
MAY MEAN	130.	130.	130.	120.	130.	130.
90%	140.	140.	140.	160.	140.	140.
50%	130.	130.	130.	120.	130.	130.
10%	100.	100.	100.	90.	100.	100.
N	42	42	42	42	42	42
JUN MEAN	140.	140.	140.	120.	140.	140.
90%	170.	170.	170.	170.	170.	170.
50%	140.	140.	140.	120.	140.	140.
10%	100.	100.	100.	90.	100.	100.
N	42	42	42	42	42	42
JUL MEAN	150.	150.	150.	130.	150.	150.
90%	180.	180.	180.	170.	180.	180.
50%	140.	140.	140.	130.	140.	140.
10%	110.	110.	110.	90.	110.	110.
N	33	33	33	42	33	33
AUG MEAN	170.	170.	170.	130.	170.	170.
90%	190.	190.	190.	160.	190.	190.
50%	170.	170.	170.	120.	170.	170.
10%	130.	130.	130.	90.	130.	130.
N	19	19	19	37	19	19
SEP MEAN	170.	170.	170.	130.	170.	170.
90%	200.	200.	200.	170.	200.	200.
50%	170.	170.	170.	130.	170.	170.
10%	130.	130.	130.	90.	130.	130.
N	16	16	16	38	16	16
OCT MEAN	170.	170.	170.	130.	170.	170.
90%	190.	190.	190.	180.	190.	190.
50%	160.	160.	160.	130.	160.	160.
10%	150.	150.	150.	100.	150.	150.
N	35	35	35	42	35	35
NOV MEAN	180.	180.	180.	130.	180.	180.
90%	190.	190.	190.	180.	190.	190.
50%	170.	170.	170.	130.	170.	170.
10%	160.	160.	160.	100.	160.	160.
N	40	40	40	42	40	40
DEC MEAN	190.	190.	190.	130.	190.	190.
90%	200.	200.	200.	170.	200.	200.
50%	190.	190.	190.	130.	190.	190.
10%	160.	160.	160.	100.	160.	160.
N	19	19	19	40	19	19

STATION 4

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN MEAN	180.	180.	180.	180.	180.	130.	130.
90%	0.	0.	0.	0.	0.	C.	0.
50%	190.	190.	190.	190.	190.	130.	130.
10%	0.	0.	0.	0.	0.	C.	0.
N	3	3	3	3	3	8	8
FEB MEAN	170.	170.	170.	170.	170.	140.	140.
90%	0.	0.	0.	0.	0.	190.	190.
50%	170.	170.	170.	170.	170.	140.	140.
10%	0.	0.	0.	0.	0.	100.	100.
N	7	7	7	7	7	11	11
MAR MEAN	100.	120.	120.	120.	120.	130.	130.
90%	140.	170.	170.	170.	170.	170.	170.
50%	100.	110.	110.	110.	110.	130.	130.
10%	70.	80.	80.	80.	80.	100.	100.
N	38	37	37	37	37	39	39
APR MEAN	100.	110.	110.	100.	100.	120.	120.
90%	130.	140.	140.	140.	140.	160.	160.
50%	100.	100.	100.	100.	100.	120.	120.
10%	70.	70.	70.	70.	70.	90.	90.
N	42	42	42	42	42	42	42
MAY MEAN	130.	130.	130.	130.	130.	120.	120.
90%	140.	140.	140.	140.	140.	160.	160.
50%	130.	130.	130.	130.	130.	120.	120.
10%	100.	100.	100.	100.	100.	90.	90.
N	42	42	42	42	42	42	42
JUN MEAN	140.	140.	140.	140.	140.	120.	120.
90%	170.	170.	170.	170.	170.	170.	170.
50%	140.	140.	140.	140.	140.	120.	120.
10%	100.	100.	100.	100.	100.	90.	90.
N	42	42	42	42	42	42	42
JUL MEAN	150.	150.	150.	150.	150.	130.	130.
90%	180.	180.	180.	180.	180.	170.	170.
50%	160.	160.	160.	160.	160.	130.	130.
10%	110.	110.	110.	110.	110.	90.	90.
N	33	33	33	33	33	42	42
AUG MEAN	170.	170.	170.	170.	170.	130.	130.
90%	190.	190.	190.	190.	190.	160.	160.
50%	170.	170.	170.	170.	170.	120.	120.
10%	130.	130.	130.	130.	130.	90.	90.
N	19	19	19	19	19	37	37
SEP MEAN	170.	170.	170.	170.	170.	130.	130.
90%	200.	200.	200.	200.	200.	170.	170.
50%	170.	170.	170.	170.	170.	130.	130.
10%	130.	130.	130.	130.	130.	90.	90.
N	16	16	16	16	16	38	38
OCT MEAN	170.	170.	170.	170.	170.	130.	130.
90%	190.	190.	190.	190.	190.	180.	180.
50%	160.	160.	160.	160.	160.	130.	130.
10%	150.	150.	150.	150.	150.	100.	100.
N	35	35	35	35	35	42	42
NOV MEAN	180.	180.	180.	180.	180.	130.	130.
90%	190.	190.	190.	190.	190.	180.	180.
50%	170.	170.	170.	170.	170.	130.	130.
10%	160.	160.	160.	160.	160.	100.	100.
N	40	40	40	40	40	42	42
DEC MEAN	190.	190.	190.	190.	190.	130.	130.
90%	200.	200.	200.	200.	200.	170.	170.
50%	190.	190.	190.	190.	190.	130.	130.
10%	160.	160.	160.	160.	160.	100.	100.
N	19	19	19	19	19	40	40

STATION 5

SCENARIO SUMMARY LISTING FOR S04 IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	90.	90.	90.	90.	90.	90.	90.	90.	90.	120.	120.	120.	90.	90.	90.
90%	120.	120.	120.	120.	120.	120.	120.	120.	120.	210.	210.	210.	120.	120.	120.
50%	90.	90.	90.	90.	90.	90.	90.	90.	90.	100.	100.	100.	90.	90.	90.
10%	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.
N	25	25	25	25	25	25	25	25	25	22	22	22	22	22	22
APR MEAN	90.	90.	90.	90.	90.	90.	90.	90.	90.	110.	110.	110.	90.	90.	90.
90%	110.	110.	110.	110.	110.	110.	110.	110.	110.	200.	200.	200.	100.	100.	100.
50%	90.	90.	90.	90.	90.	90.	90.	90.	90.	100.	100.	100.	90.	90.	90.
10%	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	60.	60.	60.
N	27	27	27	27	27	27	27	27	27	23	23	23	23	23	23
MAY MEAN	100.	100.	100.	100.	100.	100.	100.	100.	100.	120.	120.	120.	100.	100.	100.
90%	110.	110.	110.	110.	110.	110.	110.	110.	110.	130.	130.	130.	110.	110.	110.
50%	110.	110.	110.	110.	110.	110.	110.	110.	110.	120.	120.	120.	110.	110.	110.
10%	90.	90.	90.	90.	90.	90.	90.	90.	90.	100.	100.	100.	90.	90.	90.
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
JUN MEAN	100.	100.	100.	100.	100.	100.	100.	100.	100.	110.	110.	110.	100.	100.	100.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	100.	100.	100.	100.	100.	100.	100.	100.	100.	110.	110.	110.	100.	100.	100.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
JUL MEAN	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
AUG MEAN	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SEP MEAN	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OCT MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 5

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
MAR MEAN	90.	90.	90.	120.	90.	90.
90%	120.	120.	120.	210.	120.	120.
50%	90.	90.	90.	100.	90.	90.
10%	70.	70.	70.	70.	70.	70.
N	25	25	25	22	25	25
APR MEAN	90.	90.	90.	110.	90.	90.
90%	110.	110.	110.	200.	110.	110.
50%	90.	90.	90.	100.	90.	90.
10%	70.	70.	70.	70.	70.	70.
N	27	27	27	23	27	27
MAY MEAN	100.	100.	100.	120.	100.	100.
90%	110.	110.	110.	130.	110.	110.
50%	110.	110.	110.	120.	110.	110.
10%	90.	90.	90.	100.	90.	90.
N	10	10	10	10	10	10
JUN MEAN	100.	100.	100.	110.	100.	100.
90%	0.	0.	0.	0.	0.	0.
50%	100.	100.	100.	110.	100.	100.
10%	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7
JUL MEAN	110.	110.	110.	110.	110.	110.
90%	0.	0.	0.	0.	0.	0.
50%	110.	110.	110.	110.	110.	110.
10%	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2
AUG MEAN	160.	160.	160.	160.	160.	160.
90%	0.	0.	0.	0.	0.	0.
50%	160.	160.	160.	160.	160.	160.
10%	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2
SEP MEAN	120.	120.	120.	120.	120.	120.
90%	0.	0.	0.	0.	0.	0.
50%	120.	120.	120.	120.	120.	120.
10%	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1
OCT MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC1C	SC10A
JAN	MEAN	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0
FEB	MEAN	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0
MAR	MEAN	90.	90.	90.	90.	90.	120.	120.
	90%	120.	120.	120.	120.	120.	210.	210.
	50%	-90.	-90.	-90.	-90.	-90.	100.	100.
	10%	70.	70.	70.	70.	70.	70.	70.
	N	25	25	25	25	25	22	22
APR	MEAN	90.	90.	90.	90.	90.	110.	110.
	90%	110.	110.	110.	110.	110.	200.	200.
	50%	-90.	-90.	-90.	-90.	-90.	100.	100.
	10%	70.	70.	70.	70.	70.	70.	70.
	N	27	27	27	27	27	23	23
MAY	MEAN	100.	100.	100.	100.	100.	120.	120.
	90%	110.	110.	110.	110.	110.	130.	130.
	50%	110.	110.	110.	110.	110.	120.	120.
	10%	90.	90.	90.	90.	90.	100.	100.
	N	10	10	10	10	10	10	10
JUN	MEAN	100.	100.	100.	100.	100.	110.	110.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	100.	100.	100.	100.	100.	110.	110.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	7	7	7	7	7	7	7
JUL	MEAN	110.	110.	110.	110.	110.	110.	110.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	110.	110.	110.	110.	110.	110.	110.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	2	2	2	2	2	2	2
AUG	MEAN	160.	160.	160.	160.	160.	160.	160.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	160.	160.	160.	160.	160.	160.	160.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	2	2	2	2	2	2	2
SEP	MEAN	120.	120.	120.	120.	120.	120.	120.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	120.	120.	120.	120.	120.	120.	120.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	1	1	1	1	1	1	1
OCT	MEAN	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0
NOV	MEAN	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0
DEC	MEAN	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0

STATION 6

SCENARIO SUMMARY LISTING FOR S04 IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.	360.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	340.	340.	340.	340.	340.	340.	340.	340.	340.	340.	340.	340.	340.	340.	340.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MAR MEAN	140.	140.	140.	140.	140.	140.	140.	140.	140.	150.	150.	150.	140.	140.	140.
90%	240.	240.	240.	240.	240.	240.	240.	240.	240.	240.	240.	240.	240.	240.	240.
50%	120.	120.	120.	120.	120.	120.	120.	120.	120.	130.	130.	130.	120.	120.	120.
10%	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
N	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
APR MEAN	160.	160.	160.	160.	160.	160.	160.	160.	160.	170.	170.	170.	170.	170.	170.
90%	290.	290.	290.	290.	290.	290.	290.	290.	290.	290.	290.	290.	290.	290.	290.
50%	140.	140.	140.	140.	140.	140.	140.	140.	140.	150.	150.	150.	150.	150.	150.
10%	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	250.	250.	250.	250.	250.	250.	250.	250.	250.	250.	250.	250.	250.	250.	250.
90%	330.	330.	330.	330.	330.	330.	330.	330.	330.	330.	330.	330.	330.	330.	330.
50%	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.
10%	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	290.	290.	290.	290.	290.	290.	290.	290.	290.	300.	300.	300.	300.	300.	300.
90%	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.
50%	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
10%	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.
N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
JUL MEAN	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.
90%	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.
50%	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.	400.
10%	190.	190.	190.	190.	190.	190.	190.	190.	190.	190.	190.	190.	190.	190.	190.
N	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
AUG MEAN	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.	370.
90%	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.
50%	390.	390.	390.	390.	390.	390.	390.	390.	390.	390.	390.	390.	390.	390.	390.
10%	220.	220.	220.	220.	220.	220.	220.	220.	220.	220.	220.	220.	220.	220.	220.
N	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
SEP MEAN	410.	410.	410.	410.	410.	410.	410.	410.	410.	410.	410.	410.	410.	410.	410.
90%	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.
50%	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.
10%	230.	230.	230.	230.	230.	230.	230.	230.	230.	230.	230.	230.	230.	230.	230.
N	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
OCT MEAN	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.
90%	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.	490.
50%	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.
10%	350.	350.	350.	350.	350.	350.	350.	350.	350.	350.	350.	350.	350.	350.	350.
N	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
NOV MEAN	390.	390.	390.	390.	390.	390.	390.	390.	390.	390.	390.	390.	390.	390.	390.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.	420.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 6

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
FEB MEAN	360.	360.	360.	360.	360.	360.
90%	0.	0.	0.	0.	0.	0.
50%	360.	360.	360.	360.	360.	360.
10%	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3
MAR MEAN	140.	140.	140.	150.	140.	140.
90%	240.	240.	240.	240.	240.	240.
50%	120.	120.	120.	130.	120.	120.
10%	60.	60.	60.	60.	60.	60.
N	37	37	37	37	37	37
APR MEAN	160.	160.	160.	170.	160.	160.
90%	290.	290.	290.	290.	290.	290.
50%	140.	140.	140.	150.	140.	140.
10%	60.	60.	60.	60.	60.	60.
N	42	42	42	42	42	42
MAY MEAN	250.	250.	250.	250.	250.	250.
90%	330.	330.	330.	330.	330.	330.
50%	260.	260.	260.	260.	260.	260.
10%	150.	150.	150.	150.	150.	150.
N	42	42	42	42	42	42
JUN MEAN	290.	290.	290.	300.	290.	290.
90%	450.	450.	450.	450.	450.	450.
50%	300.	300.	300.	300.	300.	300.
10%	140.	140.	140.	140.	140.	140.
N	40	40	40	40	40	40
JUL MEAN	370.	370.	370.	370.	370.	370.
90%	490.	490.	490.	490.	490.	490.
50%	400.	400.	400.	400.	400.	400.
10%	190.	190.	190.	190.	190.	190.
N	32	32	32	32	32	32
AUG MEAN	370.	370.	370.	370.	370.	370.
90%	490.	490.	490.	490.	490.	490.
50%	320.	320.	320.	320.	320.	320.
10%	220.	220.	220.	220.	220.	220.
N	14	14	14	14	14	14
SEP MEAN	410.	410.	410.	410.	410.	410.
90%	490.	490.	490.	490.	490.	490.
50%	450.	450.	450.	450.	450.	450.
10%	230.	230.	230.	230.	230.	230.
N	11	11	11	11	11	11
OCT MEAN	420.	420.	420.	420.	420.	420.
90%	490.	490.	490.	490.	490.	490.
50%	420.	420.	420.	420.	420.	420.
10%	350.	350.	350.	350.	350.	350.
N	28	28	28	28	28	28
NOV MEAN	390.	390.	390.	390.	390.	390.
90%	0.	0.	0.	0.	0.	0.
50%	420.	420.	420.	420.	420.	420.
10%	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3
DEC MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0

STATION 6

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN MEAN	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0
FEB MEAN	360.	360.	360.	360.	360.	360.	360.
90%	0.	0.	0.	0.	0.	0.	0.
50%	340.	340.	340.	340.	340.	340.	340.
10%	0.	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3	3
MAR MEAN	140.	140.	140.	140.	140.	150.	150.
90%	240.	240.	240.	240.	240.	240.	240.
50%	120.	120.	120.	120.	120.	130.	130.
10%	60.	60.	60.	60.	60.	60.	60.
N	37	37	37	37	37	37	37
APR MEAN	160.	160.	160.	160.	160.	170.	170.
90%	290.	290.	290.	290.	290.	290.	290.
50%	140.	140.	140.	140.	140.	150.	150.
10%	60.	60.	60.	60.	60.	60.	60.
N	42	42	42	42	42	42	42
MAY MEAN	250.	250.	250.	250.	250.	250.	250.
90%	330.	330.	330.	330.	330.	330.	330.
50%	260.	260.	260.	260.	260.	260.	260.
10%	150.	150.	150.	150.	150.	150.	150.
N	42	42	42	42	42	42	42
JUN MEAN	290.	290.	290.	290.	290.	300.	300.
90%	450.	450.	450.	450.	450.	450.	450.
50%	300.	300.	300.	300.	300.	300.	300.
10%	140.	140.	140.	140.	140.	140.	140.
N	40	40	40	40	40	40	40
JUL MEAN	370.	370.	370.	370.	370.	370.	370.
90%	490.	490.	490.	490.	490.	490.	490.
50%	400.	400.	400.	400.	400.	400.	400.
10%	190.	190.	190.	190.	190.	190.	190.
N	32	32	32	32	32	32	32
AUG MEAN	370.	370.	370.	370.	370.	370.	370.
90%	490.	490.	490.	490.	490.	490.	490.
50%	320.	320.	320.	320.	320.	320.	320.
10%	220.	220.	220.	220.	220.	220.	220.
N	14	14	14	14	14	14	14
SEP MEAN	410.	410.	410.	410.	410.	410.	410.
90%	490.	490.	490.	490.	490.	490.	490.
50%	450.	450.	450.	450.	450.	450.	450.
10%	230.	230.	230.	230.	230.	230.	230.
N	11	11	11	11	11	11	11
OCT MEAN	420.	420.	420.	420.	420.	420.	420.
90%	490.	490.	490.	490.	490.	490.	490.
50%	420.	420.	420.	420.	420.	420.	420.
10%	350.	350.	350.	350.	350.	350.	350.
N	28	28	28	28	28	28	28
NOV MEAN	390.	390.	390.	390.	390.	390.	390.
90%	0.	0.	0.	0.	0.	0.	0.
50%	420.	420.	420.	420.	420.	420.	420.
10%	0.	0.	0.	0.	0.	0.	0.
N	3	3	3	3	3	3	3
DEC MEAN	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	210.	280.	280.	280.	280.	320.	280.	280.	320.	330.	330.	320.	320.	320.	320.
	90%	0.	0.	0.	0.	0.	320.	0.	0.	320.	0.	0.	320.	0.	0.	320.
	50%	210.	240.	240.	240.	240.	320.	240.	240.	320.	380.	380.	320.	380.	380.	320.
	10%	0.	0.	0.	0.	0.	320.	0.	0.	320.	0.	0.	320.	0.	0.	320.
	N	2	4	4	4	4	42	4	4	42	3	3	39	3	3	39
FEB	MEAN	200.	250.	250.	250.	250.	250.	250.	250.	250.	240.	240.	280.	230.	230.	270.
	90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	50%	190.	210.	210.	210.	210.	220.	210.	210.	220.	210.	210.	250.	180.	190.	230.
	10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	N	6	7	7	7	7	7	7	7	7	5	5	6	5	5	6
MAR	MEAN	110.	110.	110.	110.	130.	130.	110.	130.	130.	120.	130.	140.	100.	110.	120.
	90%	180.	180.	180.	180.	220.	240.	180.	220.	240.	170.	180.	220.	150.	170.	190.
	50%	100.	100.	100.	100.	100.	110.	100.	100.	110.	120.	120.	120.	100.	100.	100.
	10%	60.	60.	60.	60.	60.	60.	60.	60.	60.	80.	80.	80.	70.	70.	70.
	N	38	37	37	37	38	38	37	38	38	37	38	38	37	38	38
APR	MEAN	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	120.	120.	100.	100.	100.
	90%	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	140.	130.	140.
	50%	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	100.	100.	100.
	10%	60.	60.	60.	60.	60.	60.	60.	60.	60.	70.	70.	70.	60.	60.	60.
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY	MEAN	140.	140.	140.	140.	150.	150.	140.	150.	150.	150.	150.	150.	130.	130.	130.
	90%	160.	190.	190.	190.	190.	190.	190.	190.	190.	200.	200.	200.	180.	180.	180.
	50%	140.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	130.	130.	130.
	10%	90.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	90.	90.	90.
	N	42	42	42	42	42	41	42	42	41	42	42	41	42	42	41
JUN	MEAN	170.	160.	160.	160.	160.	150.	160.	160.	150.	170.	160.	150.	150.	150.	140.
	90%	250.	210.	210.	210.	210.	200.	210.	210.	200.	220.	200.	190.	200.	190.	170.
	50%	170.	160.	160.	160.	160.	160.	160.	160.	160.	170.	170.	160.	160.	150.	150.
	10%	110.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	90.	100.	90.	80.
	N	42	34	34	34	33	25	34	33	25	33	28	27	33	28	27
JUL	MEAN	240.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	120.	130.	130.	120.
	90%	490.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	50%	230.	120.	120.	120.	120.	120.	120.	120.	120.	130.	130.	120.	120.	130.	110.
	10%	120.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	N	38	9	9	9	9	7	9	9	7	8	8	5	8	8	5
AUG	MEAN	250.	170.	170.	170.	170.	180.	170.	170.	180.	170.	170.	180.	160.	160.	170.
	90%	420.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	50%	240.	180.	180.	180.	180.	190.	180.	180.	190.	170.	170.	180.	170.	170.	170.
	10%	160.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	N	21	3	3	3	3	3	3	3	3	3	3	2	3	3	2
SEP	MEAN	290.	200.	200.	200.	170.	180.	200.	170.	180.	180.	180.	220.	160.	170.	200.
	90%	450.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	50%	250.	190.	190.	190.	170.	180.	190.	170.	180.	180.	180.	220.	160.	170.	200.
	10%	180.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	N	21	3	3	3	2	2	3	2	2	2	2	1	2	2	1
OCT	MEAN	230.	270.	270.	270.	270.	270.	270.	270.	270.	280.	280.	280.	270.	270.	270.
	90%	250.	430.	430.	430.	410.	390.	430.	410.	390.	400.	390.	370.	400.	390.	370.
	50%	230.	250.	250.	250.	250.	260.	250.	250.	260.	250.	260.	260.	240.	240.	250.
	10%	200.	210.	210.	210.	210.	210.	210.	210.	210.	220.	220.	230.	210.	210.	220.
	N	35	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV	MEAN	200.	220.	220.	220.	230.	240.	220.	230.	240.	220.	240.	240.	200.	220.	230.
	90%	230.	250.	250.	250.	260.	270.	250.	260.	270.	370.	380.	370.	370.	380.	370.
	50%	200.	220.	220.	220.	220.	230.	220.	220.	230.	210.	210.	230.	180.	190.	210.
	10%	170.	180.	180.	180.	190.	200.	180.	190.	200.	160.	170.	190.	140.	150.	160.
	N	40	40	40	40	42	42	40	42	42	40	42	42	40	42	42
DEC	MEAN	280.	320.	320.	320.	310.	310.	320.	310.	310.	330.	320.	310.	320.	310.	300.
	90%	490.	460.	460.	460.	450.	430.	460.	450.	430.	430.	420.	400.	430.	420.	400.
	50%	200.	240.	240.	240.	240.	220.	240.	240.	220.	390.	340.	300.	390.	340.	300.
	10%	160.	200.	200.	200.	200.	230.	200.	200.	230.	150.	170.	190.	140.	140.	170.
	N	19	33	33	33	33	42	33	33	42	27	30	35	27	30	35

STATION 7

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO	YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN	MEAN	210.	210.	210.	270.	210.	210.
	90%	0.	0.	0.	0.	0.	0.
	50%	210.	210.	210.	270.	210.	210.
	10%	0.	0.	0.	0.	0.	0.
	N	2	2	2	2	2	2
FEB	MEAN	200.	200.	200.	230.	200.	200.
	90%	0.	0.	0.	0.	0.	0.
	50%	190.	190.	190.	180.	190.	190.
	10%	0.	0.	0.	0.	0.	0.
	N	6	6	6	5	6	6
MAR	MEAN	110.	130.	130.	130.	120.	120.
	90%	180.	230.	230.	170.	190.	190.
	50%	100.	100.	100.	110.	100.	100.
	10%	60.	60.	60.	80.	60.	60.
	N	37	38	38	38	38	38
APR	MEAN	110.	110.	110.	110.	110.	110.
	90%	160.	160.	160.	160.	160.	160.
	50%	110.	110.	110.	120.	110.	110.
	10%	60.	60.	60.	70.	60.	60.
	N	42	42	42	42	42	42
MAY	MEAN	140.	140.	140.	140.	140.	140.
	90%	180.	180.	180.	190.	180.	180.
	50%	140.	140.	140.	140.	140.	140.
	10%	90.	90.	90.	100.	90.	90.
	N	42	42	42	42	42	42
JUN	MEAN	170.	170.	170.	180.	170.	170.
	90%	250.	250.	250.	250.	250.	250.
	50%	170.	170.	170.	170.	170.	170.
	10%	110.	110.	110.	100.	110.	110.
	N	42	42	42	42	42	42
JUL	MEAN	240.	240.	240.	240.	240.	240.
	90%	490.	490.	490.	450.	490.	490.
	50%	230.	230.	230.	240.	230.	230.
	10%	120.	120.	120.	110.	120.	120.
	N	38	38	38	36	38	38
AUG	MEAN	250.	250.	250.	250.	250.	250.
	90%	420.	420.	420.	400.	420.	420.
	50%	240.	240.	240.	240.	240.	240.
	10%	160.	160.	160.	150.	160.	160.
	N	21	21	21	20	21	21
SEP	MEAN	290.	290.	290.	300.	290.	290.
	90%	450.	450.	450.	450.	450.	450.
	50%	250.	250.	250.	240.	250.	250.
	10%	180.	180.	180.	200.	180.	180.
	N	21	21	21	21	21	21
OCT	MEAN	230.	230.	230.	240.	230.	230.
	90%	250.	250.	250.	280.	250.	250.
	50%	230.	230.	230.	230.	230.	230.
	10%	200.	200.	200.	200.	200.	200.
	N	35	35	35	35	35	35
NOV	MEAN	200.	200.	200.	200.	200.	200.
	90%	230.	230.	230.	400.	230.	230.
	50%	200.	200.	200.	170.	200.	200.
	10%	170.	170.	170.	120.	170.	170.
	N	40	40	40	37	40	40
DEC	MEAN	280.	280.	280.	240.	280.	280.
	90%	490.	490.	490.	460.	490.	490.
	50%	200.	200.	200.	170.	200.	200.
	10%	160.	160.	160.	80.	160.	160.
	N	19	19	19	13	19	19

STATION 7

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC1C	SC10A
JAN	MEAN	210.	280.	280.	280.	340.	330.	330.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	210.	240.	240.	240.	300.	380.	380.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	2	4	4	4	4	3	3
FEB	MEAN	200.	250.	250.	250.	270.	240.	240.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	190.	210.	210.	210.	240.	210.	210.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	6	7	7	7	7	5	5
MAR	MEAN	110.	110.	110.	110.	110.	120.	120.
	90%	180.	180.	180.	180.	180.	170.	170.
	50%	100.	100.	100.	100.	100.	120.	120.
	10%	60.	60.	60.	60.	60.	80.	80.
	N	38	37	37	37	37	37	37
APR	MEAN	110.	110.	110.	110.	110.	110.	110.
	90%	160.	160.	160.	160.	160.	160.	160.
	50%	110.	110.	110.	110.	110.	110.	110.
	10%	60.	60.	60.	60.	60.	70.	70.
	N	42	42	42	42	42	42	42
MAY	MEAN	140.	140.	140.	140.	150.	150.	150.
	90%	180.	190.	190.	190.	190.	200.	190.
	50%	140.	150.	150.	150.	150.	150.	150.
	10%	90.	100.	100.	100.	100.	100.	100.
	N	42	42	42	42	42	42	42
JUN	MEAN	170.	160.	160.	160.	170.	170.	170.
	90%	250.	210.	210.	210.	240.	220.	220.
	50%	170.	160.	160.	160.	170.	170.	170.
	10%	110.	100.	100.	100.	110.	100.	100.
	N	42	34	34	34	34	33	34
JUL	MEAN	240.	140.	140.	140.	150.	140.	140.
	90%	490.	0.	0.	0.	0.	0.	0.
	50%	230.	150.	150.	150.	160.	130.	130.
	10%	120.	0.	0.	0.	0.	0.	0.
	N	38	9	9	9	9	8	8
AUG	MEAN	250.	170.	170.	170.	190.	170.	170.
	90%	420.	0.	0.	0.	0.	0.	0.
	50%	240.	180.	180.	180.	210.	170.	170.
	10%	160.	0.	0.	0.	0.	0.	0.
	N	21	3	3	3	3	3	3
SEP	MEAN	290.	200.	200.	200.	230.	180.	180.
	90%	450.	0.	0.	0.	0.	0.	0.
	50%	250.	190.	190.	190.	210.	180.	180.
	10%	180.	0.	0.	0.	0.	0.	0.
	N	21	3	3	3	3	2	2
OCT	MEAN	230.	270.	270.	270.	330.	280.	280.
	90%	250.	430.	430.	430.	600.	400.	400.
	50%	230.	250.	250.	250.	280.	250.	250.
	10%	200.	210.	210.	210.	230.	220.	220.
	N	35	42	42	42	42	42	42
NOV	MEAN	200.	220.	220.	220.	260.	220.	220.
	90%	230.	250.	250.	250.	320.	370.	370.
	50%	200.	220.	220.	220.	250.	210.	210.
	10%	170.	180.	180.	180.	220.	160.	160.
	N	40	40	40	40	40	40	40
DEC	MEAN	280.	320.	320.	320.	380.	330.	320.
	90%	490.	460.	460.	460.	560.	430.	430.
	50%	200.	240.	240.	240.	310.	320.	320.
	10%	160.	200.	200.	200.	240.	150.	150.
	N	19	33	33	33	33	27	27

STATION 8

SCENARIO SUMMARY LISTING FOR S04 IN UNITS OF MG/L

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	350.	360.	300.	350.	350.	350.	390.	400.	390.	390.	410.	390.	390.	410.	390.
	90%	370.	370.	350.	400.	410.	390.	480.	510.	470.	470.	510.	470.	470.	510.	470.
	50%	370.	370.	310.	350.	350.	350.	380.	400.	380.	390.	400.	380.	390.	400.	380.
	10%	310.	320.	240.	290.	300.	300.	310.	320.	320.	320.	320.	320.	320.	320.	320.
	N	37	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB	MEAN	320.	340.	290.	340.	340.	340.	380.	400.	390.	390.	400.	400.	390.	400.	400.
	90%	370.	370.	340.	390.	410.	400.	490.	540.	520.	490.	530.	500.	490.	530.	500.
	50%	350.	370.	300.	340.	340.	340.	370.	380.	380.	370.	380.	380.	370.	380.	380.
	10%	240.	250.	220.	270.	270.	280.	290.	300.	300.	290.	290.	300.	290.	290.	300.
	N	34	41	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR	MEAN	130.	120.	130.	130.	140.	130.	130.	140.	130.	150.	150.	140.	140.	140.	130.
	90%	240.	190.	190.	190.	230.	190.	190.	230.	190.	210.	210.	190.	190.	210.	180.
	50%	100.	100.	120.	120.	120.	110.	120.	120.	110.	130.	130.	130.	130.	120.	120.
	10%	70.	70.	90.	80.	80.	80.	90.	80.	80.	100.	100.	100.	90.	90.	90.
	N	41	34	30	30	28	24	30	28	24	27	26	23	27	26	23
APR	MEAN	120.	130.	140.	150.	150.	150.	150.	150.	150.	150.	150.	150.	140.	140.	140.
	90%	190.	190.	200.	200.	210.	210.	210.	210.	210.	200.	200.	200.	190.	190.	190.
	50%	120.	120.	140.	140.	140.	140.	140.	140.	140.	150.	150.	150.	140.	140.	140.
	10%	60.	60.	90.	100.	100.	100.	100.	90.	90.	110.	110.	110.	100.	100.	100.
	N	42	41	42	42	41	41	42	41	41	41	41	41	41	41	41
MAY	MEAN	160.	170.	180.	190.	200.	200.	200.	210.	210.	200.	210.	210.	200.	200.	200.
	90%	190.	200.	220.	240.	240.	250.	260.	270.	270.	270.	280.	270.	270.	280.	260.
	50%	110.	180.	190.	200.	200.	200.	210.	210.	210.	210.	210.	210.	200.	200.	210.
	10%	100.	110.	120.	140.	140.	140.	140.	150.	150.	130.	130.	150.	120.	120.	140.
	N	42	41	41	41	41	39	41	41	39	41	41	38	41	41	38
JUN	MEAN	190.	190.	210.	220.	220.	210.	230.	240.	220.	240.	240.	230.	240.	240.	230.
	90%	230.	250.	260.	280.	290.	280.	320.	340.	290.	350.	330.	290.	340.	330.	290.
	50%	190.	190.	210.	220.	210.	210.	230.	240.	230.	240.	240.	240.	230.	230.	230.
	10%	130.	130.	140.	140.	140.	130.	140.	140.	130.	150.	150.	140.	140.	140.	130.
	N	42	36	37	37	37	30	37	37	30	36	35	29	36	35	29
JUL	MEAN	220.	210.	220.	230.	240.	210.	250.	250.	210.	250.	240.	210.	250.	250.	210.
	90%	270.	280.	270.	310.	310.	270.	320.	330.	280.	330.	340.	280.	330.	340.	280.
	50%	220.	210.	240.	250.	250.	200.	270.	260.	210.	270.	280.	200.	270.	280.	200.
	10%	140.	130.	130.	140.	140.	130.	140.	140.	140.	150.	140.	140.	150.	140.	130.
	N	42	22	23	23	22	12	24	22	11	24	21	11	24	21	11
AUG	MEAN	250.	270.	270.	300.	300.	280.	330.	310.	290.	330.	320.	300.	330.	320.	300.
	90%	310.	310.	310.	350.	340.	0.	400.	370.	0.	390.	400.	0.	390.	400.	0.
	50%	240.	280.	270.	300.	290.	300.	320.	300.	300.	330.	320.	310.	330.	320.	310.
	10%	210.	190.	240.	260.	250.	0.	260.	260.	0.	280.	260.	0.	280.	260.	0.
	N	42	13	19	20	12	3	20	12	3	20	11	3	20	11	3
SEP	MEAN	240.	260.	280.	310.	310.	310.	330.	330.	320.	330.	330.	320.	330.	330.	320.
	90%	310.	320.	320.	370.	350.	0.	380.	380.	0.	400.	370.	0.	400.	370.	0.
	50%	230.	250.	280.	310.	320.	320.	330.	330.	340.	340.	340.	340.	340.	340.	340.
	10%	190.	210.	250.	260.	260.	0.	270.	270.	0.	270.	270.	0.	270.	270.	0.
	N	42	26	26	26	23	3	26	24	3	26	24	3	26	24	3
OCT	MEAN	220.	240.	270.	290.	290.	290.	300.	300.	300.	300.	310.	310.	300.	310.	310.
	90%	270.	290.	300.	350.	350.	350.	370.	380.	380.	360.	370.	370.	360.	370.	370.
	50%	220.	240.	260.	280.	280.	290.	290.	300.	300.	300.	310.	310.	300.	300.	310.
	10%	190.	200.	230.	240.	250.	250.	250.	250.	260.	250.	260.	270.	250.	260.	260.
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV	MEAN	260.	270.	270.	300.	300.	300.	310.	320.	320.	320.	320.	320.	310.	320.	320.
	90%	290.	300.	310.	350.	360.	360.	370.	430.	420.	390.	410.	410.	390.	410.	410.
	50%	260.	270.	280.	300.	310.	310.	310.	310.	310.	320.	320.	310.	320.	320.	320.
	10%	220.	230.	240.	250.	260.	260.	270.	270.	270.	260.	270.	270.	260.	270.	270.
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC	MEAN	310.	320.	300.	330.	330.	330.	360.	370.	360.	360.	370.	360.	360.	370.	360.
	90%	360.	370.	350.	390.	390.	390.	420.	450.	440.	450.	450.	440.	450.	450.	440.
	50%	310.	320.	300.	330.	330.	330.	350.	350.	350.	360.	360.	360.	350.	360.	360.
	10%	260.	270.	270.	280.	280.	290.	290.	290.	290.	290.	300.	300.	290.	290.	300.
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 8

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	350.	340.	400.	410.	400.	420.
90%	370.	410.	530.	520.	530.	610.
50%	370.	340.	390.	400.	390.	410.
10%	310.	270.	300.	320.	300.	300.
N	37	42	42	42	42	42
FEB MEAN	330.	330.	390.	400.	390.	410.
90%	370.	400.	530.	530.	530.	580.
50%	350.	330.	370.	370.	370.	380.
10%	240.	260.	290.	280.	290.	290.
N	34	42	42	42	42	42
MAR MEAN	120.	160.	170.	180.	170.	170.
90%	210.	300.	330.	320.	310.	310.
50%	110.	140.	140.	150.	140.	140.
10%	70.	100.	90.	110.	90.	90.
N	37	42	42	39	42	42
APR MEAN	130.	150.	150.	160.	150.	150.
90%	190.	200.	210.	200.	210.	210.
50%	120.	140.	140.	150.	140.	140.
10%	60.	100.	100.	110.	100.	100.
N	42	42	42	42	42	42
MAY MEAN	160.	190.	190.	200.	190.	200.
90%	190.	220.	250.	250.	250.	250.
50%	170.	190.	200.	200.	200.	200.
10%	100.	130.	140.	120.	140.	140.
N	42	42	42	41	42	42
JUN MEAN	190.	210.	230.	240.	230.	230.
90%	240.	260.	300.	310.	300.	310.
50%	190.	220.	230.	230.	230.	220.
10%	130.	150.	150.	150.	150.	150.
N	42	42	42	42	42	42
JUL MEAN	220.	250.	270.	280.	270.	280.
90%	270.	310.	360.	350.	360.	370.
50%	220.	260.	280.	290.	280.	290.
10%	140.	160.	160.	150.	160.	160.
N	42	42	42	42	42	42
AUG MEAN	250.	290.	330.	330.	330.	340.
90%	310.	360.	410.	410.	410.	450.
50%	240.	280.	310.	320.	310.	330.
10%	210.	220.	230.	240.	230.	230.
N	42	42	42	42	42	42
SEP MEAN	240.	290.	320.	330.	320.	340.
90%	310.	370.	400.	410.	400.	430.
50%	230.	290.	310.	330.	310.	320.
10%	190.	230.	240.	250.	240.	240.
N	42	42	42	42	42	42
OCT MEAN	220.	270.	290.	300.	290.	300.
90%	270.	340.	360.	360.	360.	380.
50%	220.	270.	280.	290.	280.	280.
10%	190.	230.	240.	240.	240.	240.
N	42	41	41	41	41	41
NOV MEAN	260.	290.	310.	320.	310.	320.
90%	290.	350.	400.	400.	400.	440.
50%	260.	300.	310.	320.	310.	300.
10%	220.	250.	260.	260.	260.	260.
N	42	42	42	42	42	42
DEC MEAN	310.	320.	360.	360.	360.	370.
90%	360.	380.	430.	470.	430.	480.
50%	310.	320.	350.	350.	350.	350.
10%	260.	270.	290.	290.	290.	280.
N	42	42	42	42	42	42

STATION 8

SCENARIO SUMMARY LISTING FOR S04 IN UNITS OF MG/L

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN	MEAN	350.	360.	300.	350.	520.	390.	330.
	90%	370.	370.	350.	400.	640.	470.	380.
	50%	370.	370.	310.	350.	540.	390.	330.
	10%	310.	320.	240.	290.	330.	320.	280.
	N	37	42	42	42	42	42	42
FEB	MEAN	320.	340.	290.	340.	470.	390.	310.
	90%	370.	370.	340.	390.	610.	490.	370.
	50%	350.	370.	300.	340.	490.	370.	310.
	10%	240.	250.	220.	270.	320.	290.	250.
	N	34	41	42	42	42	42	42
MAR	MEAN	130.	120.	130.	130.	140.	150.	140.
	90%	240.	190.	190.	190.	230.	210.	210.
	50%	100.	100.	120.	120.	130.	130.	130.
	10%	70.	70.	90.	80.	90.	100.	100.
	N	41	34	30	30	30	27	27
APR	MEAN	120.	130.	140.	150.	160.	150.	150.
	90%	190.	190.	200.	200.	210.	200.	190.
	50%	120.	120.	140.	140.	140.	150.	140.
	10%	60.	60.	90.	100.	100.	110.	110.
	N	42	41	42	42	42	41	41
MAY	MEAN	160.	170.	180.	190.	210.	200.	190.
	90%	190.	200.	220.	240.	280.	270.	240.
	50%	170.	180.	190.	200.	210.	210.	200.
	10%	100.	110.	120.	140.	140.	130.	120.
	N	42	41	41	41	41	41	41
JUN	MEAN	190.	190.	210.	220.	250.	240.	220.
	90%	230.	250.	260.	280.	320.	350.	280.
	50%	190.	190.	210.	220.	240.	240.	220.
	10%	130.	130.	140.	140.	150.	150.	140.
	N	42	36	37	37	36	36	36
JUL	MEAN	220.	210.	220.	230.	270.	250.	230.
	90%	270.	280.	270.	310.	390.	330.	280.
	50%	220.	210.	240.	250.	270.	270.	240.
	10%	140.	130.	130.	140.	140.	150.	140.
	N	42	22	23	23	23	24	23
AUG	MEAN	250.	270.	270.	300.	400.	330.	290.
	90%	310.	310.	310.	350.	550.	390.	330.
	50%	240.	240.	270.	300.	390.	330.	280.
	10%	210.	190.	240.	260.	310.	280.	250.
	N	42	13	19	20	20	20	19
SEP	MEAN	240.	260.	280.	310.	420.	330.	290.
	90%	310.	320.	320.	370.	560.	400.	330.
	50%	230.	220.	240.	310.	420.	340.	300.
	10%	190.	210.	250.	260.	290.	270.	250.
	N	42	26	26	26	26	26	26
OCT	MEAN	220.	240.	270.	290.	360.	300.	280.
	90%	270.	290.	300.	350.	480.	360.	320.
	50%	220.	240.	260.	280.	340.	300.	270.
	10%	190.	200.	230.	240.	260.	250.	240.
	N	42	42	42	42	42	42	42
NOV	MEAN	260.	270.	270.	300.	390.	320.	290.
	90%	290.	300.	310.	350.	530.	390.	340.
	50%	260.	270.	280.	300.	360.	320.	290.
	10%	220.	230.	240.	250.	270.	260.	250.
	N	42	42	42	42	42	42	42
DEC	MEAN	310.	320.	330.	330.	460.	360.	320.
	90%	360.	370.	350.	390.	600.	450.	360.
	50%	310.	320.	300.	330.	460.	360.	310.
	10%	260.	270.	270.	280.	310.	290.	280.
	N	42	42	42	42	42	42	42

STATION 9

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	90.	160.	160.	150.	160.	160.	150.	160.	160.	150.	160.	160.	90.	90.	90.
90%	140.	490.	490.	250.	250.	250.	250.	250.	250.	250.	250.	250.	130.	130.	130.
50%	-90.	100.	100.	120.	150.	150.	120.	150.	150.	130.	150.	150.	-90.	-90.	-90.
10%	70.	70.	70.	70.	80.	80.	70.	80.	80.	70.	80.	80.	70.	70.	70.
N	28	22	22	27	27	27	27	27	27	27	27	27	27	27	27
APR MEAN	90.	110.	110.	90.	90.	90.	90.	90.	90.	150.	150.	150.	90.	90.	90.
90%	140.	150.	150.	140.	140.	140.	140.	140.	140.	270.	270.	270.	140.	140.	140.
50%	-90.	100.	100.	-90.	-90.	-90.	-90.	-90.	-90.	120.	120.	120.	-90.	-90.	-90.
10%	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
N	35	32	32	35	35	35	35	35	35	35	35	35	35	35	35
MAY MEAN	140.	140.	140.	140.	140.	140.	140.	140.	140.	160.	160.	160.	130.	130.	130.
90%	170.	170.	170.	170.	170.	170.	170.	170.	170.	230.	220.	220.	150.	150.	150.
50%	140.	140.	140.	140.	140.	140.	140.	140.	140.	160.	150.	150.	130.	130.	130.
10%	100.	100.	100.	100.	100.	100.	100.	100.	100.	110.	110.	110.	100.	100.	100.
N	28	28	28	28	28	28	28	28	28	21	21	21	21	21	21
JUN MEAN	130.	130.	130.	130.	130.	130.	130.	130.	130.	150.	150.	150.	130.	130.	130.
90%	160.	160.	160.	160.	160.	160.	160.	160.	160.	210.	220.	220.	160.	160.	160.
50%	140.	140.	140.	140.	140.	140.	140.	140.	140.	150.	160.	160.	140.	140.	140.
10%	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
N	21	20	20	21	21	21	21	21	21	20	20	20	20	20	20
JUL MEAN	140.	140.	140.	140.	140.	140.	140.	140.	140.	160.	160.	160.	140.	140.	140.
90%	170.	170.	170.	170.	170.	170.	170.	170.	170.	190.	200.	200.	170.	170.	170.
50%	150.	150.	150.	150.	150.	150.	150.	150.	150.	160.	160.	160.	150.	150.	150.
10%	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.
N	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
AUG MEAN	140.	140.	140.	140.	140.	140.	140.	140.	140.	160.	160.	160.	140.	140.	140.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	140.	140.	140.	140.	140.	140.	140.	140.	140.	160.	160.	160.	140.	140.	140.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
SEP MEAN	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.	140.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
OCT MEAN	160.	160.	160.	160.	160.	160.	160.	160.	160.	190.	190.	190.	150.	160.	160.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	160.	160.	160.	160.	160.	160.	160.	160.	160.	190.	190.	190.	150.	160.	160.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	1	2	2	1	2	2
NOV MEAN	150.	150.	150.	150.	150.	150.	150.	150.	150.	170.	180.	180.	150.	150.	150.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	150.	150.	150.	150.	150.	150.	150.	150.	150.	170.	180.	180.	150.	150.	150.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 9

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
MAR MEAN	160.	150.	150.	150.	90.	90.
90%	490.	250.	250.	250.	130.	130.
50%	100.	120.	120.	130.	90.	90.
10%	70.	70.	70.	70.	70.	70.
N	22	27	27	27	27	27
APR MEAN	110.	90.	90.	150.	90.	90.
90%	150.	140.	140.	270.	140.	140.
50%	100.	90.	90.	120.	90.	90.
10%	60.	60.	60.	60.	60.	60.
N	32	35	35	35	35	35
MAY MEAN	140.	140.	140.	160.	140.	140.
90%	170.	170.	170.	230.	170.	170.
50%	140.	140.	140.	160.	140.	140.
10%	100.	100.	100.	110.	100.	100.
N	28	28	28	21	28	28
JUN MEAN	130.	130.	130.	150.	130.	130.
90%	160.	160.	160.	210.	160.	160.
50%	140.	140.	140.	150.	140.	140.
10%	90.	90.	90.	90.	90.	90.
N	20	21	21	20	21	21
JUL MEAN	140.	140.	140.	160.	140.	140.
90%	170.	170.	170.	190.	170.	170.
50%	150.	150.	150.	160.	150.	150.
10%	110.	110.	110.	110.	110.	110.
N	12	12	12	12	12	12
AUG MEAN	140.	140.	140.	160.	140.	140.
90%	0.	0.	0.	0.	0.	0.
50%	140.	140.	140.	160.	140.	140.
10%	0.	0.	0.	0.	0.	0.
N	6	6	6	6	6	6
SEP MEAN	140.	140.	140.	140.	140.	140.
90%	0.	0.	0.	0.	0.	0.
50%	140.	140.	140.	140.	140.	140.
10%	0.	0.	0.	0.	0.	0.
N	4	4	4	4	4	4
OCT MEAN	160.	160.	160.	190.	160.	160.
90%	0.	0.	0.	0.	0.	0.
50%	160.	160.	160.	190.	160.	160.
10%	0.	0.	0.	0.	0.	0.
N	2	2	2	1	2	2
NOV MEAN	150.	150.	150.	170.	150.	150.
90%	0.	0.	0.	0.	0.	0.
50%	150.	150.	150.	170.	150.	150.
10%	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2
DEC MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0

STATION 9

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC1C	SC10A
JAN MEAN	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0
MAR MEAN	90.	160.	160.	150.	150.	150.	150.
90%	140.	490.	490.	250.	250.	250.	250.
50%	90.	100.	100.	120.	120.	130.	130.
10%	70.	70.	70.	70.	70.	70.	70.
N	28	22	22	27	27	27	27
APR MEAN	90.	110.	110.	90.	90.	150.	150.
90%	140.	150.	150.	140.	140.	270.	270.
50%	90.	100.	100.	90.	90.	120.	120.
10%	60.	60.	60.	60.	60.	60.	60.
N	35	32	32	35	35	35	35
MAY MEAN	140.	140.	140.	140.	140.	160.	160.
90%	170.	170.	170.	170.	170.	230.	230.
50%	140.	140.	140.	140.	140.	160.	160.
10%	100.	100.	100.	100.	100.	110.	110.
N	28	28	28	28	28	21	21
JUN MEAN	130.	130.	130.	130.	130.	150.	150.
90%	160.	160.	160.	160.	160.	210.	210.
50%	140.	140.	140.	140.	140.	150.	150.
10%	90.	90.	90.	90.	90.	90.	90.
N	21	20	20	21	21	20	20
JUL MEAN	140.	140.	140.	140.	140.	160.	160.
90%	170.	170.	170.	170.	170.	190.	190.
50%	150.	150.	150.	150.	150.	160.	160.
10%	110.	110.	110.	110.	110.	110.	110.
N	12	12	12	12	12	12	12
AUG MEAN	140.	140.	140.	140.	140.	160.	160.
90%	0.	0.	0.	0.	0.	0.	0.
50%	140.	140.	140.	140.	140.	160.	160.
10%	0.	0.	0.	0.	0.	0.	0.
N	6	6	6	6	6	6	6
SEP MEAN	140.	140.	140.	140.	140.	140.	140.
90%	0.	0.	0.	0.	0.	0.	0.
50%	140.	140.	140.	140.	140.	140.	140.
10%	0.	0.	0.	0.	0.	0.	0.
N	4	4	4	4	4	4	4
OCT MEAN	160.	160.	160.	160.	160.	190.	190.
90%	0.	0.	0.	0.	0.	0.	0.
50%	160.	160.	160.	160.	160.	190.	190.
10%	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	1	1
NOV MEAN	150.	150.	150.	150.	150.	170.	170.
90%	0.	0.	0.	0.	0.	0.	0.
50%	150.	150.	150.	150.	150.	170.	170.
10%	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2
DEC MEAN	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.
50%	0.	0.	0.	0.	0.	0.	0.
10%	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0

STATION 10

SCENARIO SUMMARY LISTING FOR SO₄ IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	90.	90.	90.	90.	90.	90.	90.	90.	90.	110.	110.	110.	80.	80.	80.
90%	110.	110.	110.	110.	110.	110.	110.	110.	110.	190.	190.	190.	110.	110.	110.
50%	80.	80.	80.	80.	80.	80.	80.	80.	80.	90.	90.	90.	80.	80.	80.
10%	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.	70.
N	24	24	24	24	24	24	24	24	24	23	23	23	23	23	23
APR MEAN	80.	80.	80.	80.	80.	80.	80.	80.	80.	110.	110.	110.	80.	80.	80.
90%	110.	110.	110.	110.	110.	110.	110.	110.	110.	200.	200.	200.	100.	100.	100.
50%	80.	80.	80.	80.	80.	80.	80.	80.	80.	90.	90.	90.	80.	80.	80.
10%	50.	50.	50.	50.	50.	50.	50.	50.	50.	60.	60.	60.	50.	50.	50.
N	26	26	26	26	26	26	26	26	26	23	23	23	23	23	23
MAY MEAN	110.	110.	110.	110.	110.	110.	110.	110.	110.	120.	120.	120.	110.	110.	110.
90%	120.	120.	120.	120.	120.	120.	120.	120.	120.	130.	130.	130.	120.	120.	120.
50%	110.	110.	110.	110.	110.	110.	110.	110.	110.	120.	120.	120.	110.	110.	110.
10%	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
JUN MEAN	100.	100.	100.	100.	100.	100.	100.	100.	100.	110.	110.	110.	100.	100.	100.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	100.	100.	100.	100.	100.	100.	100.	100.	100.	110.	110.	110.	100.	100.	100.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
JUL MEAN	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
AUG MEAN	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.	110.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SEP MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCT MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.	-0.
10%	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 10

SCENARIO SUMMARY LISTING FOR S04 IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
MAR MEAN	90.	90.	90.	110.	90.	90.
90%	110.	110.	110.	190.	110.	110.
50%	--80.	--80.	--80.	--20.	--80.	--80.
10%	70.	70.	70.	70.	70.	70.
N	24	24	24	23	24	24
APR MEAN	80.	80.	80.	110.	80.	80.
90%	110.	110.	110.	200.	110.	110.
50%	--80.	--80.	--80.	--20.	--80.	--80.
10%	50.	50.	50.	60.	50.	50.
N	26	26	26	23	26	26
MAY MEAN	110.	110.	110.	120.	110.	110.
90%	120.	120.	120.	130.	120.	120.
50%	110.	110.	110.	120.	110.	110.
10%	100.	100.	100.	100.	100.	100.
N	10	10	10	10	10	10
JUN MEAN	100.	100.	100.	110.	100.	100.
90%	0.	0.	0.	0.	0.	0.
50%	100.	100.	100.	110.	100.	100.
10%	0.	0.	0.	0.	0.	0.
N	7	7	7	7	7	7
JUL MEAN	110.	110.	110.	110.	110.	110.
90%	0.	0.	0.	0.	0.	0.
50%	110.	110.	110.	110.	110.	110.
10%	0.	0.	0.	0.	0.	0.
N	2	2	2	2	2	2
AUG MEAN	110.	110.	110.	110.	110.	110.
90%	0.	0.	0.	0.	0.	0.
50%	110.	110.	110.	110.	110.	110.
10%	0.	0.	0.	0.	0.	0.
N	1	1	1	1	1	1
SEP MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
OCT MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0

STATION 10

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN	MEAN	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0
FEB	MEAN	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0
MAR	MEAN	90.	90.	90.	90.	90.	110.	110.
	90%	110.	110.	110.	110.	110.	190.	190.
	50%	-80.	-80.	-80.	-80.	-80.	-90.	-90.
	10%	70.	70.	70.	70.	70.	70.	70.
	N	24	24	24	24	24	23	23
APR	MEAN	80.	80.	80.	80.	80.	110.	110.
	90%	110.	110.	110.	110.	110.	200.	200.
	50%	-80.	-80.	-80.	-80.	-80.	-90.	-90.
	10%	50.	50.	50.	50.	50.	60.	60.
	N	26	26	26	26	26	23	23
MAY	MEAN	110.	110.	110.	110.	110.	120.	120.
	90%	120.	120.	120.	120.	120.	130.	130.
	50%	110.	110.	110.	110.	110.	120.	120.
	10%	100.	100.	100.	100.	100.	100.	100.
	N	10	10	10	10	10	10	10
JUN	MEAN	100.	100.	100.	100.	100.	110.	110.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	100.	100.	100.	100.	100.	110.	110.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	7	7	7	7	7	7	7
JUL	MEAN	110.	110.	110.	110.	110.	110.	110.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	110.	110.	110.	110.	110.	110.	110.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	2	2	2	2	2	2	2
AUG	MEAN	110.	110.	110.	110.	110.	110.	110.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	110.	110.	110.	110.	110.	110.	110.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	1	1	1	1	1	1	1
SEP	MEAN	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0
OCT	MEAN	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0
NOV	MEAN	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0
DEC	MEAN	0.	0.	0.	0.	0.	0.	0.
	90%	0.	0.	0.	0.	0.	0.	0.
	50%	-0.	-0.	-0.	-0.	-0.	-0.	-0.
	10%	0.	0.	0.	0.	0.	0.	0.
	N	0	0	0	0	0	0	0

STATION 11

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MU YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
90%	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
50%	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A
10%	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
N	24	25	25	25	28	42	25	28	42	25	28	42	25	28	42
FEB MEAN	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
90%	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
50%	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A
10%	130.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
N	13	20	20	20	20	22	20	20	22	20	20	22	20	20	22
MAR MEAN	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.
90%	90.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.
50%	-80 _A	-80 _A	-80 _A	-80 _A	-90 _A	-90 _A	-90 _A	-90 _A	-90 _A	-90 _A	-90 _A	-90 _A	-80 _A	-80 _A	-80 _A
10%	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
N	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41
APR MEAN	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.	80.
90%	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.	100.
50%	-80 _A	-80 _A	-80 _A	-80 _A	-80 _A	-80 _A	-80 _A	-80 _A	-80 _A	-90 _A	-90 _A	-80 _A	-80 _A	-80 _A	-80 _A
10%	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.
N	42	42	42	42	42	41	42	42	41	42	42	41	42	42	41
MAY MEAN	120.	120.	120.	120.	120.	110.	120.	120.	110.	120.	120.	110.	120.	120.	110.
90%	150.	150.	150.	150.	150.	140.	150.	150.	140.	150.	150.	140.	150.	150.	140.
50%	120 _A	120 _A	120 _A	120 _A	120 _A	120 _A	120 _A	120 _A	120 _A	120 _A	120 _A	120 _A	120 _A	120 _A	120 _A
10%	80.	80.	80.	80.	80.	70.	80.	80.	70.	80.	80.	70.	80.	80.	70.
N	42	42	42	42	42	36	42	42	36	42	42	36	42	42	36
JUN MEAN	130.	130.	130.	130.	130.	110.	130.	130.	110.	130.	130.	110.	130.	130.	110.
90%	160.	160.	160.	160.	160.	140.	160.	160.	140.	160.	160.	140.	160.	160.	140.
50%	130 _A	130 _A	130 _A	130 _A	130 _A	120 _A	130 _A	130 _A	120 _A	140 _A	140 _A	120 _A	130 _A	130 _A	120 _A
10%	90.	90.	90.	90.	90.	70.	90.	90.	70.	90.	90.	70.	90.	90.	70.
N	42	42	42	42	42	23	42	42	23	42	42	23	42	42	23
JUL MEAN	140.	140.	140.	140.	140.	150.	140.	140.	150.	150.	140.	150.	140.	140.	150.
90%	150.	150.	150.	150.	150.	0.	150.	150.	0.	150.	150.	0.	150.	150.	0.
50%	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	140 _A	150 _A	150 _A	140 _A	150 _A	150 _A	140 _A	150 _A
10%	140.	140.	140.	140.	110.	0.	140.	110.	0.	140.	120.	0.	140.	110.	0.
N	42	41	41	41	13	4	41	13	4	41	11	4	41	11	4
AUG MEAN	170.	160.	160.	160.	150.	160.	160.	150.	160.	160.	150.	160.	160.	150.	160.
90%	180.	170.	170.	170.	0.	0.	170.	0.	0.	170.	0.	0.	170.	0.	0.
50%	170 _A	160 _A	160 _A	160 _A	150 _A	160 _A	160 _A	150 _A	160 _A	160 _A	160 _A	160 _A	160 _A	150 _A	160 _A
10%	160.	130.	130.	130.	0.	0.	130.	0.	0.	130.	0.	0.	130.	0.	0.
N	42	15	15	15	6	4	15	6	4	15	6	4	15	6	4
SEP MEAN	150.	160.	160.	160.	150.	120.	160.	150.	120.	160.	150.	120.	160.	150.	120.
90%	180.	180.	180.	180.	0.	0.	180.	0.	0.	180.	0.	0.	180.	0.	0.
50%	150 _A	160 _A	160 _A	160 _A	150 _A	120 _A	160 _A	150 _A	120 _A	160 _A	150 _A	120 _A	160 _A	150 _A	120 _A
10%	150.	120.	120.	120.	0.	0.	120.	0.	0.	120.	0.	0.	120.	0.	0.
N	42	17	17	17	7	1	17	7	1	17	7	1	17	7	1
OCT MEAN	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.
90%	190.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.
50%	160 _A	160 _A	160 _A	160 _A	160 _A	160 _A	160 _A	160 _A	160 _A	160 _A	160 _A	160 _A	160 _A	160 _A	160 _A
10%	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
N	40	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.	160.
90%	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.
50%	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A
10%	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
N	40	40	40	40	42	42	40	42	42	40	41	42	40	41	42
DEC MEAN	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
90%	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
50%	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A	150 _A
10%	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
N	39	39	39	39	41	42	39	41	42	39	41	42	39	41	42

STATION 11

SCENARIO SUMMARY LISTING FOR SC4 IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	150.	150.	150.	150.	150.	150.
90%	150.	150.	150.	150.	150.	150.
50%	150.	150.	150.	150.	150.	150.
10%	150.	150.	150.	150.	150.	150.
N	24	24	24	24	24	24
FEB MEAN	150.	150.	150.	150.	150.	150.
90%	150.	150.	150.	150.	150.	150.
50%	150.	150.	150.	150.	150.	150.
10%	130.	130.	130.	130.	130.	130.
N	13	13	13	13	13	13
MAR MEAN	80.	80.	80.	80.	80.	80.
90%	90.	90.	90.	100.	90.	90.
50%	80.	80.	80.	90.	80.	80.
10%	50.	50.	50.	50.	50.	50.
N	41	41	41	41	41	41
APR MEAN	80.	80.	80.	80.	80.	80.
90%	100.	100.	100.	100.	100.	100.
50%	80.	80.	80.	90.	80.	80.
10%	40.	40.	40.	40.	40.	40.
N	42	42	42	42	42	42
MAY MEAN	120.	120.	120.	120.	120.	120.
90%	150.	150.	150.	150.	150.	150.
50%	120.	120.	120.	120.	120.	120.
10%	80.	80.	80.	80.	80.	80.
N	42	42	42	42	42	42
JUN MEAN	130.	130.	130.	130.	130.	130.
90%	160.	160.	160.	160.	160.	160.
50%	130.	130.	130.	130.	130.	130.
10%	90.	90.	90.	90.	90.	90.
N	42	42	42	42	42	42
JUL MEAN	140.	140.	140.	150.	140.	140.
90%	150.	150.	150.	150.	150.	150.
50%	150.	150.	150.	150.	150.	150.
10%	140.	140.	140.	140.	140.	140.
N	42	42	42	42	42	42
AUG MEAN	170.	170.	170.	170.	170.	170.
90%	180.	180.	180.	180.	180.	180.
50%	170.	170.	170.	170.	170.	170.
10%	160.	160.	160.	160.	160.	160.
N	42	42	42	42	42	42
SEP MEAN	150.	150.	150.	150.	150.	150.
90%	180.	180.	180.	180.	180.	180.
50%	150.	150.	150.	150.	150.	150.
10%	150.	150.	150.	150.	150.	150.
N	42	42	42	42	42	42
OCT MEAN	160.	160.	160.	160.	160.	160.
90%	190.	190.	190.	190.	190.	190.
50%	160.	160.	160.	160.	160.	160.
10%	150.	150.	150.	150.	150.	150.
N	40	40	40	40	40	40
NOV MEAN	160.	160.	160.	160.	160.	160.
90%	180.	180.	180.	180.	180.	180.
50%	150.	150.	150.	150.	150.	150.
10%	150.	150.	150.	150.	150.	150.
N	40	40	40	40	40	40
DEC MEAN	150.	150.	150.	150.	150.	150.
90%	150.	150.	150.	150.	150.	150.
50%	150.	150.	150.	150.	150.	150.
10%	150.	150.	150.	150.	150.	150.
N	39	39	39	39	39	39

STATION 11

SCENARIO SUMMARY LISTING FOR S04 IN UNITS OF MG/L

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN MEAN	150.	150.	150.	150.	330.	150.	150.
90%	150.	150.	150.	150.	340.	150.	150.
50%	150.	150.	150.	150.	340.	150.	150.
10%	150.	150.	150.	150.	330.	150.	150.
N	24	25	25	25	25	25	25
FEB MEAN	150.	150.	150.	150.	320.	150.	150.
90%	150.	150.	150.	150.	340.	150.	150.
50%	150.	150.	150.	150.	340.	150.	150.
10%	130.	150.	150.	150.	180.	150.	150.
N	13	20	20	20	20	20	20
MAR MEAN	80.	80.	80.	80.	80.	80.	80.
90%	90.	100.	100.	100.	100.	100.	100.
50%	80.	80.	80.	90.	90.	90.	90.
10%	50.	50.	50.	50.	50.	50.	50.
N	42	41	41	41	41	41	41
APR MEAN	80.	80.	80.	80.	80.	80.	80.
90%	100.	100.	100.	100.	100.	100.	100.
50%	80.	80.	80.	80.	80.	90.	90.
10%	40.	40.	40.	40.	40.	40.	40.
N	42	42	42	42	42	42	42
MAY MEAN	120.	120.	120.	120.	120.	120.	120.
90%	150.	150.	150.	150.	160.	150.	150.
50%	120.	120.	120.	120.	120.	120.	120.
10%	80.	80.	80.	80.	80.	80.	80.
N	42	42	42	42	42	42	42
JUN MEAN	130.	130.	130.	130.	140.	130.	130.
90%	160.	160.	160.	160.	170.	160.	160.
50%	130.	130.	130.	130.	140.	140.	140.
10%	90.	90.	90.	90.	90.	90.	90.
N	42	42	42	42	42	42	42
JUL MEAN	140.	140.	140.	140.	160.	150.	150.
90%	150.	150.	150.	150.	170.	150.	150.
50%	150.	150.	150.	150.	160.	150.	150.
10%	140.	140.	140.	140.	150.	140.	140.
N	42	41	41	41	41	41	41
AUG MEAN	170.	160.	160.	160.	180.	160.	160.
90%	180.	170.	170.	170.	210.	170.	170.
50%	170.	160.	160.	160.	190.	160.	160.
10%	160.	130.	130.	130.	140.	130.	130.
N	42	15	15	15	15	15	15
SEP MEAN	150.	160.	160.	160.	210.	160.	160.
90%	180.	180.	180.	180.	340.	180.	180.
50%	150.	160.	160.	160.	190.	160.	160.
10%	150.	120.	120.	120.	130.	120.	120.
N	42	17	17	17	17	17	17
OCT MEAN	160.	160.	160.	160.	220.	160.	160.
90%	190.	180.	180.	180.	340.	180.	180.
50%	160.	160.	160.	160.	190.	160.	160.
10%	150.	150.	150.	150.	160.	150.	150.
N	40	42	42	42	42	42	42
NOV MEAN	160.	160.	160.	160.	260.	160.	160.
90%	180.	180.	180.	180.	340.	180.	180.
50%	150.	150.	150.	150.	330.	150.	150.
10%	150.	150.	150.	150.	170.	150.	150.
N	40	40	40	40	40	40	40
DEC MEAN	150.	150.	150.	150.	320.	150.	150.
90%	150.	150.	150.	150.	340.	150.	150.
50%	150.	150.	150.	150.	330.	150.	150.
10%	150.	150.	150.	150.	330.	150.	150.
N	39	39	39	39	39	39	39

STATION 12

SCENARIO SUMMARY LISTING FOR SO4 IN UNITS OF MG/L

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	300.	310.	280.	310.	0.	0.	340.	0.	0.	340.	0.	0.	340.	0.	0.
	90%	330.	340.	320.	350.	0.	0.	410.	0.	0.	410.	0.	0.	410.	0.	0.
	50%	300.	310.	290.	310.	0.	0.	330.	0.	0.	340.	0.	0.	350.	0.	0.
	10%	270.	280.	240.	290.	0.	0.	300.	0.	0.	300.	0.	0.	300.	0.	0.
	N	41	42	42	42	0	0	42	0	0	42	0	0	42	0	0
FEB	MEAN	290.	300.	270.	300.	0.	0.	330.	0.	0.	340.	0.	0.	340.	0.	0.
	90%	330.	330.	310.	360.	0.	0.	430.	0.	0.	430.	0.	0.	430.	0.	0.
	50%	300.	310.	290.	310.	0.	0.	340.	0.	0.	340.	0.	0.	340.	0.	0.
	10%	220.	220.	210.	230.	0.	0.	230.	0.	0.	240.	0.	0.	240.	0.	0.
	N	40	42	42	42	0	0	42	0	0	42	0	0	42	0	0
MAR	MEAN	110.	110.	120.	120.	90.	90.	120.	90.	80.	120.	100.	90.	120.	90.	80.
	90%	130.	160.	160.	160.	0.	0.	160.	0.	0.	160.	0.	0.	160.	0.	0.
	50%	100.	110.	120.	120.	100.	90.	120.	100.	80.	120.	100.	90.	110.	100.	80.
	10%	70.	70.	70.	70.	0.	0.	70.	0.	0.	70.	0.	0.	70.	0.	0.
	N	42	35	35	35	1	3	35	7	3	35	7	3	35	7	3
APR	MEAN	120.	120.	130.	130.	120.	110.	130.	120.	100.	130.	120.	110.	130.	120.	100.
	90%	160.	160.	170.	170.	170.	170.	170.	170.	170.	170.	160.	160.	160.	160.	150.
	50%	120.	120.	130.	130.	110.	90.	130.	110.	90.	130.	120.	100.	130.	110.	120.
	10%	70.	70.	90.	90.	70.	70.	90.	80.	70.	90.	80.	80.	90.	80.	70.
	N	42	42	42	42	23	17	42	23	11	42	22	11	42	22	11
MAY	MEAN	160.	170.	170.	180.	180.	160.	180.	180.	160.	180.	180.	160.	180.	180.	160.
	90%	190.	200.	210.	220.	220.	200.	230.	230.	200.	230.	230.	210.	230.	230.	210.
	50%	170.	170.	180.	180.	180.	160.	190.	180.	170.	180.	180.	160.	180.	180.	150.
	10%	110.	110.	120.	130.	130.	120.	130.	130.	120.	130.	130.	120.	120.	130.	120.
	N	42	42	42	42	24	14	42	23	14	42	23	14	42	23	14
JUN	MEAN	180.	190.	190.	200.	190.	190.	200.	200.	190.	200.	200.	190.	200.	200.	190.
	90%	220.	240.	240.	260.	260.	240.	250.	270.	240.	250.	270.	240.	250.	270.	240.
	50%	180.	190.	200.	200.	200.	200.	210.	200.	200.	210.	210.	200.	210.	210.	200.
	10%	130.	130.	140.	140.	90.	120.	140.	100.	120.	150.	90.	120.	140.	90.	120.
	N	42	41	41	41	28	14	41	28	14	41	27	14	41	27	14
JUL	MEAN	200.	220.	220.	220.	230.	230.	230.	240.	230.	230.	240.	230.	230.	240.	230.
	90%	240.	260.	260.	260.	290.	290.	260.	290.	290.	260.	290.	290.	260.	290.	290.
	50%	210.	230.	230.	240.	240.	230.	240.	240.	220.	240.	240.	230.	240.	240.	230.
	10%	150.	160.	160.	170.	160.	160.	170.	160.	160.	170.	170.	160.	170.	170.	160.
	N	42	37	37	37	28	17	37	28	17	37	27	16	37	27	16
AUG	MEAN	230.	270.	270.	270.	270.	280.	280.	270.	280.	280.	280.	280.	280.	280.	280.
	90%	280.	300.	300.	300.	300.	290.	300.	300.	290.	300.	300.	290.	300.	300.	290.
	50%	230.	270.	270.	280.	280.	290.	290.	280.	290.	290.	280.	290.	290.	280.	290.
	10%	190.	230.	230.	230.	240.	250.	240.	240.	250.	240.	240.	250.	240.	240.	250.
	N	42	33	33	33	27	17	33	27	17	33	25	16	33	25	16
SEP	MEAN	240.	270.	270.	280.	280.	270.	280.	280.	270.	280.	280.	280.	280.	280.	280.
	90%	290.	300.	300.	310.	310.	290.	320.	310.	290.	310.	310.	290.	310.	310.	290.
	50%	240.	280.	280.	290.	290.	290.	290.	290.	290.	290.	290.	290.	290.	290.	290.
	10%	210.	220.	230.	230.	240.	210.	230.	250.	210.	230.	250.	200.	230.	250.	200.
	N	42	38	38	38	29	17	38	29	17	38	27	16	38	27	16
OCT	MEAN	230.	240.	250.	260.	0.	0.	260.	0.	0.	260.	0.	0.	260.	0.	0.
	90%	260.	270.	270.	290.	0.	0.	300.	0.	0.	300.	0.	0.	300.	0.	0.
	50%	230.	240.	250.	260.	0.	0.	260.	0.	0.	260.	0.	0.	260.	0.	0.
	10%	190.	210.	210.	220.	0.	0.	230.	0.	0.	220.	0.	0.	220.	0.	0.
	N	42	42	42	42	0	0	42	0	0	42	0	0	42	0	0
NOV	MEAN	240.	250.	250.	260.	0.	0.	270.	0.	0.	270.	0.	0.	270.	0.	0.
	90%	280.	280.	290.	310.	0.	0.	320.	0.	0.	320.	0.	0.	320.	0.	0.
	50%	240.	250.	250.	260.	0.	0.	270.	0.	0.	270.	0.	0.	270.	0.	0.
	10%	210.	220.	220.	230.	0.	0.	230.	0.	0.	230.	0.	0.	230.	0.	0.
	N	42	42	42	42	0	0	42	0	0	42	0	0	42	0	0
DEC	MEAN	280.	280.	280.	290.	0.	0.	310.	0.	0.	310.	0.	0.	310.	0.	0.
	90%	310.	310.	310.	320.	0.	0.	350.	0.	0.	350.	0.	0.	350.	0.	0.
	50%	290.	290.	280.	290.	0.	0.	300.	0.	0.	310.	0.	0.	310.	0.	0.
	10%	240.	250.	250.	250.	0.	0.	260.	0.	0.	260.	0.	0.	250.	0.	0.
	N	42	42	42	42	0	0	42	0	0	42	0	0	42	0	0

STATION 12

SCENARIO SUMMARY LISTING FOR S04 IN UNITS OF MG/L

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
FEB MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
MAR MEAN	70.	90.	80.	90.	80.	80.
90%	0.	0.	0.	0.	0.	0.
50%	--70.	--100.	--80.	--90.	--80.	--80.
10%	0.	0.	0.	0.	0.	0.
N	4	4	3	3	3	3
APR MEAN	100.	110.	110.	120.	110.	110.
90%	160.	170.	170.	180.	170.	170.
50%	--80.	--100.	--100.	--100.	--100.	--100.
10%	60.	70.	70.	80.	70.	70.
N	14	13	13	12	13	13
MAY MEAN	150.	160.	160.	160.	160.	160.
90%	190.	190.	190.	200.	190.	190.
50%	--150.	--160.	--170.	--160.	--170.	--170.
10%	110.	120.	120.	120.	120.	120.
N	16	15	15	15	15	15
JUN MEAN	170.	170.	180.	190.	180.	180.
90%	220.	230.	240.	240.	240.	240.
50%	--170.	--140.	--190.	--190.	--190.	--180.
10%	100.	80.	80.	120.	90.	80.
N	20	16	16	15	16	16
JUL MEAN	200.	210.	220.	210.	220.	220.
90%	240.	250.	280.	270.	280.	270.
50%	--210.	--220.	--230.	--230.	--230.	--230.
10%	140.	150.	150.	150.	150.	150.
N	22	21	21	18	21	20
AUG MEAN	240.	250.	270.	270.	270.	280.
90%	280.	290.	320.	330.	320.	330.
50%	--240.	--250.	--270.	--270.	--270.	--270.
10%	200.	210.	210.	210.	210.	210.
N	22	22	21	20	21	21
SEP MEAN	240.	270.	280.	280.	280.	280.
90%	290.	310.	320.	320.	320.	320.
50%	--240.	--270.	--290.	--290.	--290.	--290.
10%	210.	220.	220.	220.	220.	230.
N	22	22	22	20	22	22
OCT MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
NOV MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.
N	0	0	0	0	0	0
DEC MEAN	0.	0.	0.	0.	0.	0.
90%	0.	0.	0.	0.	0.	0.
50%	--0.	--0.	--0.	--0.	--0.	--0.
10%	0.	0.	0.	0.	0.	0.

STATION 12

SCENARIO SUMMARY LISTING FOR SO₄ IN UNITS OF MG/L

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC1C	SC10A
JAN	MEAN	300.	310.	280.	310.	480.	340.	300.
	90%	330.	340.	320.	350.	550.	410.	350.
	50%	300.	310.	290.	310.	500.	340.	300.
	10%	270.	280.	240.	290.	380.	300.	260.
	N	41	42	42	42	42	42	42
FEB	MEAN	290.	300.	270.	300.	440.	340.	290.
	90%	330.	330.	310.	360.	540.	430.	340.
	50%	300.	310.	290.	310.	450.	340.	300.
	10%	220.	220.	210.	230.	280.	240.	230.
	N	40	42	42	42	42	42	42
MAR	MEAN	110.	110.	120.	120.	120.	120.	120.
	90%	130.	160.	160.	160.	170.	160.	160.
	50%	100.	110.	120.	120.	130.	120.	120.
	10%	70.	70.	70.	70.	70.	70.	70.
	N	42	35	35	35	35	35	35
APR	MEAN	120.	120.	130.	130.	130.	130.	130.
	90%	160.	160.	170.	170.	180.	170.	170.
	50%	120.	120.	130.	130.	140.	130.	130.
	10%	70.	70.	90.	90.	90.	90.	90.
	N	42	42	42	42	42	42	42
MAY	MEAN	160.	170.	170.	180.	190.	180.	180.
	90%	190.	200.	210.	220.	230.	230.	220.
	50%	170.	170.	180.	180.	190.	180.	180.
	10%	110.	110.	120.	130.	130.	130.	120.
	N	42	42	42	42	42	42	42
JUN	MEAN	180.	190.	190.	200.	220.	200.	200.
	90%	220.	240.	240.	240.	350.	250.	240.
	50%	180.	190.	200.	200.	210.	210.	200.
	10%	130.	130.	140.	140.	150.	150.	140.
	N	42	41	41	41	41	41	41
JUL	MEAN	200.	220.	220.	220.	270.	230.	220.
	90%	240.	260.	260.	260.	390.	260.	260.
	50%	210.	210.	230.	240.	250.	240.	230.
	10%	150.	160.	160.	170.	170.	170.	170.
	N	42	37	37	37	37	37	37
AUG	MEAN	230.	270.	270.	270.	370.	280.	270.
	90%	280.	300.	300.	300.	470.	300.	300.
	50%	230.	270.	270.	280.	420.	290.	280.
	10%	190.	230.	230.	230.	250.	240.	230.
	N	42	33	33	33	33	33	33
SEP	MEAN	240.	270.	270.	280.	400.	280.	270.
	90%	290.	300.	300.	310.	470.	310.	300.
	50%	240.	280.	280.	290.	440.	290.	250.
	10%	210.	220.	230.	230.	240.	230.	230.
	N	42	38	38	38	38	38	38
OCT	MEAN	230.	240.	250.	260.	340.	260.	250.
	90%	260.	270.	270.	290.	430.	300.	280.
	50%	230.	240.	250.	260.	350.	260.	250.
	10%	190.	210.	210.	220.	240.	220.	210.
	N	42	42	42	42	42	42	42
NOV	MEAN	240.	250.	250.	260.	350.	270.	260.
	90%	280.	280.	290.	310.	480.	320.	300.
	50%	240.	250.	250.	260.	350.	270.	260.
	10%	210.	220.	220.	230.	240.	230.	220.
	N	42	42	42	42	42	42	42
DEC	MEAN	280.	280.	280.	290.	420.	310.	280.
	90%	310.	310.	310.	320.	520.	350.	310.
	50%	290.	290.	280.	290.	440.	310.	280.
	10%	240.	250.	250.	250.	270.	260.	250.

ATTACHMENT 5

Predicted Sodium Adsorption Ratios in the Poplar River Basin for Predevelopment and the Various Development Scenarios and for the Assumption that all Salt Applied in Irrigation Water is Returned (SC-4W) and that there is no Pickup from the Ash Lagoons.

STATION 1

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	5.0	5.1	3.7	4.3	4.4	4.4	4.6	4.8	4.8	4.7	4.8	4.8	4.7	4.8	4.8
90%	5.7	5.8	5.4	6.1	6.3	6.3	6.3	6.6	6.6	6.3	6.6	6.6	6.3	6.6	6.6
50%	5.1	5.2	3.4	4.1	4.1	4.1	4.2	4.6	4.6	4.5	4.6	4.6	4.5	4.6	4.6
10%	4.4	4.5	2.7	3.2	3.3	3.3	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
N	28	28	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB MEAN	4.5	4.5	3.8	4.3	4.4	4.4	4.6	4.8	4.8	4.7	4.8	4.8	4.7	4.8	4.8
90%	5.4	5.5	5.3	5.9	6.1	6.1	6.3	6.6	6.6	6.3	6.6	6.6	6.3	6.6	6.6
50%	4.7	4.8	3.6	4.1	4.1	4.1	4.2	4.6	4.6	4.4	4.5	4.5	4.4	4.5	4.5
10%	3.3	3.3	2.7	3.3	3.3	3.3	3.5	3.6	3.6	3.5	3.6	3.6	3.5	3.6	3.6
N	28	28	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR MEAN	1.8	1.2	3.9	4.2	4.3	4.3	4.4	4.5	4.5	4.5	4.6	4.6	4.5	4.6	4.6
90%	3.9	2.3	4.8	5.0	5.1	5.1	5.2	5.4	5.4	5.2	5.3	5.3	5.2	5.3	5.3
50%	1.4	1.0	3.2	4.2	4.2	4.2	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
10%	0.5	0.4	2.9	3.8	3.8	3.8	4.0	4.0	4.0	4.0	4.1	4.1	4.0	4.1	4.1
N	42	27	42	42	42	42	42	42	42	42	42	42	42	42	42
APR MEAN	1.6	1.8	3.5	3.9	4.0	4.0	4.1	4.2	4.2	4.2	4.3	4.3	4.2	4.3	4.3
90%	2.8	2.9	4.7	4.9	5.0	5.0	5.1	5.1	5.1	5.0	5.1	5.1	5.0	5.1	5.1
50%	1.7	1.7	3.5	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.3	4.4	4.4
10%	0.3	0.2	2.3	2.7	2.8	2.8	3.0	3.0	3.0	3.0	3.1	3.1	3.0	3.1	3.1
N	41	40	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	2.5	2.5	3.9	4.1	4.2	4.2	4.3	4.3	4.3	4.3	4.4	4.4	4.3	4.4	4.4
90%	3.1	3.1	4.9	5.1	5.3	5.3	5.4	5.6	5.6	5.4	5.5	5.5	5.4	5.5	5.5
50%	2.6	2.7	3.2	4.1	4.1	4.1	4.3	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.3
10%	1.6	1.6	2.7	2.9	3.0	3.0	3.4	3.1	3.1	3.4	3.5	3.5	3.4	3.5	3.5
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	2.8	2.8	3.9	4.2	4.3	4.3	4.5	4.5	4.5	4.5	4.6	4.6	4.5	4.6	4.6
90%	3.2	3.2	5.0	5.3	5.4	5.4	5.6	5.8	5.8	5.7	5.8	5.8	5.7	5.8	5.8
50%	2.2	2.2	3.8	4.1	4.1	4.1	4.4	4.4	4.4	4.3	4.4	4.4	4.3	4.4	4.4
10%	2.1	2.1	3.2	3.6	3.6	3.6	3.7	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	3.1	3.2	3.8	4.2	4.3	4.3	4.4	4.6	4.6	4.4	4.5	4.5	4.4	4.5	4.5
90%	3.3	3.8	5.0	5.4	5.6	5.6	5.7	6.2	6.2	5.8	6.2	6.2	5.8	6.2	6.2
50%	3.1	3.1	3.7	4.0	4.0	4.0	4.3	4.4	4.4	4.2	4.4	4.4	4.2	4.4	4.4
10%	2.6	2.6	3.0	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.5	3.6	3.6
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
AUG MEAN	3.4	3.5	3.8	4.3	4.4	4.4	4.5	4.6	4.6	4.5	4.7	4.7	4.5	4.7	4.7
90%	4.1	4.2	5.1	5.9	6.1	6.1	6.1	6.3	6.3	6.1	6.3	6.3	6.1	6.3	6.3
50%	3.1	3.4	3.6	4.0	4.0	4.0	4.3	4.4	4.4	4.3	4.4	4.4	4.3	4.4	4.4
10%	3.0	3.0	3.0	3.4	3.4	3.4	3.5	3.5	3.5	3.6	3.7	3.7	3.6	3.7	3.7
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
SEP MEAN	3.3	3.3	3.9	4.3	4.4	4.4	4.5	4.7	4.7	4.6	4.7	4.7	4.6	4.7	4.7
90%	4.0	4.0	5.1	5.6	5.8	5.8	5.9	6.2	6.2	5.9	6.2	6.2	5.9	6.2	6.2
50%	3.2	3.2	3.8	4.1	4.2	4.2	4.4	4.5	4.5	4.4	4.4	4.4	4.4	4.4	4.4
10%	2.8	2.9	3.3	3.6	3.6	3.6	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
OCT MEAN	3.2	3.2	4.2	4.5	4.6	4.6	4.6	4.8	4.8	4.7	4.8	4.8	4.7	4.8	4.8
90%	3.9	4.0	5.0	5.6	5.8	5.8	5.7	6.1	6.1	5.8	6.1	6.1	5.8	6.1	6.1
50%	3.1	3.2	4.0	4.3	4.4	4.4	4.5	4.6	4.6	4.5	4.6	4.6	4.5	4.6	4.6
10%	2.7	2.8	3.7	3.9	4.0	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.1
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	3.6	3.6	4.1	4.5	4.6	4.6	4.6	4.8	4.8	4.7	4.8	4.8	4.7	4.8	4.8
90%	3.9	3.9	5.0	5.7	5.9	5.9	5.7	6.2	6.2	5.9	6.1	6.1	5.9	6.1	6.1
50%	3.4	3.4	3.2	4.3	4.4	4.4	4.5	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.5
10%	3.2	3.2	3.7	3.8	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC MEAN	4.2	4.2	4.0	4.4	4.5	4.5	4.7	4.8	4.8	4.7	4.8	4.8	4.7	4.8	4.8
90%	4.9	4.9	5.1	5.7	5.9	5.9	6.1	6.5	6.5	6.3	6.5	6.5	6.3	6.5	6.5
50%	4.2	4.2	3.8	4.1	4.2	4.2	4.5	4.6	4.6	4.5	4.6	4.6	4.5	4.6	4.6
10%	3.6	3.6	3.4	3.6	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
N	41	41	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 1		SCENARIO SUMMARY LISTING FOR SAR					
MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21	
JAN MEAN	5.1	4.3	4.6	4.7	4.6	4.8	
90%	5.8	6.1	6.3	6.3	6.3	6.6	
50%	2.2	4.1	4.2	4.2	4.2	4.6	
10%	4.5	3.2	3.4	3.5	3.4	3.5	
N	28	42	42	42	42	42	
FEB MEAN	4.5	4.3	4.6	4.7	4.6	4.8	
90%	5.5	5.9	6.3	6.3	6.3	6.6	
50%	4.2	4.1	4.2	4.2	4.2	4.6	
10%	3.5	3.5	3.5	3.5	3.5	3.6	
N	28	42	42	42	42	42	
MAR MEAN	1.5	4.2	4.4	4.5	4.4	4.5	
90%	3.5	5.0	5.2	5.2	5.2	5.4	
50%	1.0	4.2	4.3	4.4	4.3	4.4	
10%	0.4	3.8	4.0	4.0	4.0	4.0	
N	29	42	42	42	42	42	
APR MEAN	1.3	3.9	4.1	4.2	4.1	4.2	
90%	2.9	4.9	5.1	5.0	5.1	5.1	
50%	1.7	4.2	4.3	4.3	4.3	4.3	
10%	0.2	2.7	3.0	3.0	3.0	3.0	
N	40	42	42	42	42	42	
MAY MEAN	2.5	4.1	4.3	4.3	4.3	4.3	
90%	3.1	5.1	5.4	5.4	5.4	5.6	
50%	2.1	4.1	4.3	4.3	4.3	4.4	
10%	1.5	2.9	3.4	3.4	3.4	3.1	
N	42	42	42	42	42	42	
JUN MEAN	2.6	4.2	4.5	4.5	4.5	4.5	
90%	3.2	5.3	5.6	5.7	5.6	5.8	
50%	2.2	4.1	4.4	4.3	4.4	4.4	
10%	2.1	3.6	3.7	3.7	3.7	3.6	
N	42	42	42	42	42	42	
JUL MEAN	3.2	4.2	4.4	4.4	4.4	4.6	
90%	3.8	5.4	5.7	5.8	5.7	6.2	
50%	3.1	4.0	4.2	4.2	4.2	4.4	
10%	2.0	3.4	3.5	3.6	3.5	3.5	
N	42	42	42	42	42	42	
AUG MEAN	3.5	4.3	4.5	4.5	4.5	4.6	
90%	4.2	5.9	6.1	6.1	6.1	6.3	
50%	3.4	4.0	4.2	4.2	4.2	4.4	
10%	3.0	3.4	3.5	3.6	3.5	3.5	
N	42	42	42	42	42	42	
SEP MEAN	3.3	4.3	4.5	4.6	4.5	4.7	
90%	4.0	5.6	5.9	5.9	5.9	6.2	
50%	3.2	4.1	4.4	4.4	4.4	4.5	
10%	2.9	3.6	3.7	3.8	3.7	3.7	
N	42	42	42	42	42	42	
OCT MEAN	3.2	4.5	4.6	4.7	4.6	4.8	
90%	4.0	5.6	5.7	5.8	5.7	6.1	
50%	3.2	4.2	4.2	4.2	4.2	4.6	
10%	2.8	3.9	4.0	4.1	4.0	4.0	
N	42	42	42	42	42	42	
NOV MEAN	3.6	4.5	4.6	4.7	4.6	4.8	
90%	3.9	5.7	5.7	5.9	5.7	6.2	
50%	3.0	4.2	4.2	4.2	4.2	4.6	
10%	3.2	3.8	4.0	4.0	4.0	4.0	
N	42	42	42	42	42	42	
DEC MEAN	4.2	4.4	4.7	4.7	4.7	4.8	
90%	4.9	5.7	6.1	6.3	6.1	6.5	
50%	4.2	4.1	4.2	4.2	4.2	4.6	
10%	3.6	3.6	3.6	3.8	3.8	3.8	
N	41	42	42	42	42	42	

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN MEAN	5.0	5.1	3.7	4.3	4.3	4.7	4.0
90%	5.7	5.8	5.4	6.1	6.1	6.3	6.0
50%	2.1	2.2	3.4	4.1	4.1	4.5	3.8
10%	4.4	4.5	2.7	3.2	3.2	3.5	2.9
N	28	28	42	42	42	42	42
FEB MEAN	4.5	4.5	3.6	4.3	4.3	4.7	4.1
90%	5.4	5.5	5.3	5.9	5.9	6.3	5.9
50%	4.7	4.8	3.6	4.1	4.1	4.4	3.9
10%	3.3	3.3	2.7	3.3	3.3	3.5	2.9
N	28	28	42	42	42	42	42
MAR MEAN	1.8	1.2	3.9	4.2	4.2	4.5	4.1
90%	3.9	2.3	4.8	5.0	5.0	5.2	4.9
50%	1.4	1.0	3.2	4.2	4.2	4.4	4.1
10%	0.5	0.4	2.9	3.8	3.8	4.0	3.6
N	42	27	42	42	42	42	42
APR MEAN	1.6	1.8	3.5	3.9	3.9	4.2	3.9
90%	2.8	2.9	4.7	4.9	4.9	5.0	4.8
50%	1.7	1.7	3.5	4.2	4.2	4.3	4.2
10%	0.3	0.2	2.3	2.7	2.7	3.0	2.4
N	41	40	42	42	42	42	42
MAY MEAN	2.5	2.5	3.9	4.1	4.1	4.3	4.0
90%	3.1	3.1	4.9	5.1	5.1	5.4	5.1
50%	2.6	2.7	3.2	4.1	4.1	4.3	4.0
10%	1.6	1.6	2.7	2.9	2.9	3.4	2.9
N	42	42	42	42	42	42	42
JUN MEAN	2.3	2.8	3.9	4.2	4.2	4.5	4.0
90%	3.2	3.2	5.0	5.3	5.3	5.7	5.2
50%	2.2	2.2	3.8	4.1	4.1	4.3	3.9
10%	2.1	2.1	3.2	3.6	3.6	3.7	3.3
N	42	42	42	42	42	42	42
JUL MEAN	3.1	3.2	3.8	4.2	4.2	4.4	4.0
90%	3.8	3.8	5.0	5.4	5.4	5.8	5.4
50%	3.1	3.1	3.7	4.0	4.0	4.2	3.8
10%	2.0	2.6	3.0	3.4	3.4	3.6	3.1
N	42	42	42	42	42	42	42
AUG MEAN	3.4	3.5	3.8	4.3	4.3	4.5	4.0
90%	4.1	4.2	5.1	5.9	5.9	6.1	5.8
50%	3.3	3.4	3.6	4.0	4.0	4.3	3.8
10%	3.0	3.0	3.0	3.4	3.4	3.6	3.2
N	42	42	42	42	42	42	42
SEP MEAN	3.3	3.3	3.9	4.3	4.3	4.6	4.1
90%	4.0	4.0	5.1	5.6	5.6	5.9	5.6
50%	3.2	3.2	3.8	4.1	4.1	4.4	3.9
10%	2.8	2.9	3.3	3.6	3.6	3.8	3.4
N	42	42	42	42	42	42	42
OCT MEAN	3.2	3.2	4.2	4.5	4.5	4.7	4.3
90%	3.9	4.0	5.0	5.6	5.6	5.8	5.3
50%	3.3	3.4	4.0	4.3	4.3	4.5	4.1
10%	2.7	2.8	3.7	3.9	3.9	4.1	3.8
N	42	42	42	42	42	42	42
NOV MEAN	3.5	3.6	4.1	4.5	4.5	4.7	4.3
90%	3.9	3.9	5.0	5.7	5.7	5.9	5.4
50%	3.0	3.6	3.9	4.3	4.3	4.5	4.1
10%	3.2	3.2	3.7	3.8	3.8	4.0	3.7
N	42	42	42	42	42	42	42
DEC MEAN	4.2	4.2	4.0	4.4	4.4	4.7	4.2
90%	4.9	4.9	5.1	5.7	5.7	6.3	5.7
50%	4.2	4.2	3.8	4.1	4.1	4.5	4.0
10%	3.6	3.6	3.4	3.6	3.6	3.8	3.4
N	41	41	42	42	42	42	42

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.2	1.2	1.2
90%	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.4	3.4	3.4	2.1	2.1	2.1
50%	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.1	-1.0	-1.0	-1.0	-0.9	-0.9	-0.9
10%	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
N	34	34	34	34	34	34	34	34	34	31	31	31	31	31	31
APR MEAN	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.2	1.2	1.2
90%	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.6	3.6	3.6	2.3	2.3	2.3
50%	-1.1	-1.1	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.6	-1.3	-1.3	-1.3	-1.2	-1.2	-1.2
10%	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
N	39	39	40	40	40	40	40	40	40	30	30	30	30	30	30
MAY MEAN	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.0	2.0	2.0
90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.4	3.4	3.4	2.6	2.6	2.6
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.5	-2.5	-2.5	-2.1	-2.1	-2.1
10%	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.9	0.9	0.9	0.8	0.8	0.8
N	28	28	28	28	28	28	28	28	28	17	17	17	17	17	17
JUN MEAN	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.4	2.2	2.2	2.2
90%	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.0	3.0	3.0	2.6	2.6	2.6
50%	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.5	-2.5	-2.5	-2.3	-2.3	-2.3
10%	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.6	1.6	1.6
N	16	16	16	16	16	16	16	16	16	14	14	14	14	14	14
JUL MEAN	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.5	2.5
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
AUG MEAN	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SEP MEAN	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.8	2.8	2.8	2.6	2.6	2.6
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.8	-2.8	-2.8	-2.6	-2.6	-2.6
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
OCT MEAN	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	2.7	2.7	2.7
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-3.0	-3.0	-3.0	-2.7	-2.7	-2.7
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
NOV MEAN	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-3.6	-3.6	-3.6	-3.6	-3.6	-3.6	-3.6	-3.6	-3.6	-3.6	-3.6	-3.6	-3.6	-3.6	-3.6
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 2

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
MAR MEAN	1.3	1.3	1.3	1.7	1.3	1.3
90%	2.5	2.5	2.5	3.4	2.5	2.5
50%	-1.1	-1.1	-1.1	-1.0	-1.1	-1.1
10%	0.4	0.4	0.4	0.4	0.4	0.4
N	34	34	34	31	34	34
APR MEAN	1.6	1.5	1.5	1.6	1.5	1.5
90%	2.6	2.6	2.6	3.6	2.6	2.6
50%	-1.1	-1.6	-1.6	-1.3	-1.6	-1.6
10%	0.2	0.2	0.2	0.2	0.2	0.2
N	39	40	40	30	40	40
MAY MEAN	2.3	2.3	2.3	2.3	2.3	2.3
90%	2.8	2.8	2.8	3.4	2.8	2.8
50%	-2.2	-2.5	-2.5	-2.4	-2.2	-2.2
10%	1.2	1.2	1.2	0.9	1.2	1.2
N	28	28	28	17	28	28
JUN MEAN	2.3	2.3	2.3	2.4	2.3	2.3
90%	2.3	2.8	2.8	3.0	2.8	2.8
50%	-2.4	-2.4	-2.4	-2.5	-2.4	-2.4
10%	1.6	1.6	1.6	1.7	1.6	1.6
N	16	16	16	14	16	16
JUL MEAN	2.5	2.5	2.5	2.6	2.5	2.5
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.6	-2.6	-2.6	-2.7	-2.6	-2.6
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7
AUG MEAN	2.5	2.5	2.5	2.5	2.5	2.5
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2
SEP MEAN	2.6	2.6	2.6	2.8	2.6	2.6
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.6	-2.6	-2.6	-2.8	-2.6	-2.6
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	4	4	4	4
OCT MEAN	2.7	2.7	2.7	2.9	2.7	2.7
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.7	-2.7	-2.7	-3.0	-2.7	-2.7
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	5	5	5	5	5	5
NOV MEAN	3.6	3.6	3.6	3.6	3.6	3.6
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-3.6	-3.6	-3.6	-3.6	-3.6	-3.6
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0

STATION 2

SCENARIO SUMMARY LISTING FOR SAR

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC1C	SC1DA
JAN	MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0	0
FEB	MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0	0
MAR	MEAN	1.3	1.3	1.3	1.3	1.3	1.7	1.7
	90%	2.5	2.5	2.5	2.5	2.5	3.4	3.4
	50%	<u>1.1</u>	<u>1.1</u>	<u>1.1</u>	<u>1.1</u>	<u>1.1</u>	<u>1.0</u>	<u>1.0</u>
	10%	0.4	0.4	0.4	0.4	0.4	0.4	0.4
	N	34	34	34	34	34	31	31
APR	MEAN	1.6	1.6	1.5	1.5	1.5	1.6	1.6
	90%	2.6	2.6	2.6	2.6	2.6	3.6	3.6
	50%	<u>1.7</u>	<u>1.7</u>	<u>1.6</u>	<u>1.6</u>	<u>1.6</u>	<u>1.3</u>	<u>1.3</u>
	10%	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	N	39	39	40	40	40	30	30
MAY	MEAN	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	90%	2.8	2.8	2.8	2.8	2.8	3.4	3.4
	50%	<u>2.5</u>	<u>2.5</u>	<u>2.5</u>	<u>2.5</u>	<u>2.5</u>	<u>2.4</u>	<u>2.4</u>
	10%	1.2	1.2	1.2	1.2	1.2	0.9	0.9
	N	28	28	28	28	28	17	17
JUN	MEAN	2.3	2.3	2.3	2.3	2.3	2.4	2.4
	90%	2.8	2.8	2.8	2.8	2.8	3.0	3.0
	50%	<u>2.4</u>	<u>2.4</u>	<u>2.4</u>	<u>2.4</u>	<u>2.4</u>	<u>2.5</u>	<u>2.5</u>
	10%	1.6	1.6	1.6	1.6	1.6	1.7	1.7
	N	16	16	16	16	16	14	14
JUL	MEAN	2.5	2.5	2.5	2.5	2.5	2.6	2.6
	90%	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	50%	<u>2.8</u>	<u>2.8</u>	<u>2.8</u>	<u>2.8</u>	<u>2.8</u>	<u>2.7</u>	<u>2.7</u>
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	7	7	7	7	7	7	7
AUG	MEAN	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	90%	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	50%	<u>2.5</u>	<u>2.5</u>	<u>2.5</u>	<u>2.5</u>	<u>2.5</u>	<u>2.5</u>	<u>2.5</u>
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	2	2	2	2	2	2	2
SEP	MEAN	2.6	2.6	2.6	2.6	2.6	2.8	2.8
	90%	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	50%	<u>2.6</u>	<u>2.6</u>	<u>2.6</u>	<u>2.6</u>	<u>2.6</u>	<u>2.8</u>	<u>2.8</u>
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	4	4	4	4	4	4	4
OCT	MEAN	2.7	2.7	2.7	2.7	2.7	2.9	2.9
	90%	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	50%	<u>2.7</u>	<u>2.7</u>	<u>2.7</u>	<u>2.7</u>	<u>2.7</u>	<u>3.0</u>	<u>3.0</u>
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	5	5	5	5	5	5	5
NOV	MEAN	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	90%	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	50%	<u>3.6</u>	<u>3.6</u>	<u>3.6</u>	<u>3.6</u>	<u>3.6</u>	<u>3.6</u>	<u>3.6</u>
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	1	1	1	1	1	1	1
DEC	MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0	0

STATION 3

SCENARIO SUMMARY LISTING FOR SAR

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	4.7	5.0	5.6	4.3	4.5	4.5	4.7	4.9	4.9	4.7	4.9	4.9	4.7	4.9	4.9
	90%	6.6	6.8	5.4	6.1	6.4	6.4	6.5	6.7	6.7	6.5	6.7	6.7	6.5	6.7	6.7
	50%	-4.4	-4.4	-2.2	-4.1	-4.2	-4.3	-4.5	-4.7	-4.7	-4.5	-4.6	-4.7	-4.5	-4.6	-4.7
	10%	4.2	4.1	2.8	3.3	3.3	3.4	3.5	3.6	3.7	3.5	3.6	3.7	3.5	3.6	3.7
	N	16	14	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB	MEAN	4.5	4.5	5.9	4.4	4.5	4.5	4.7	4.9	4.9	4.7	4.9	4.9	4.7	4.9	4.9
	90%	5.7	5.7	5.4	5.9	6.1	6.0	6.3	6.6	6.6	6.3	6.6	6.6	6.3	6.6	6.6
	50%	-4.6	-4.2	-2.7	-4.3	-4.4	-4.4	-4.6	-4.7	-4.7	-4.6	-4.7	-4.7	-4.6	-4.7	-4.7
	10%	3.4	3.4	2.8	3.3	3.4	3.4	3.6	3.6	3.7	3.5	3.6	3.7	3.5	3.6	3.7
	N	23	22	41	42	42	41	42	42	42	42	42	42	42	42	42
MAR	MEAN	5.3	5.4	4.6	4.7	4.8	4.7	4.8	4.8	4.8	4.9	5.0	4.9	5.0	5.0	4.9
	90%	5.0	6.6	5.3	5.3	5.3	5.3	5.3	5.4	5.3	5.4	5.5	5.4	5.5	5.5	5.5
	50%	-2.2	-2.2	-4.7	-4.8	-4.8	-4.8	-4.8	-4.8	-4.8	-4.2	-4.2	-4.2	-2.0	-2.0	-2.0
	10%	2.3	2.2	3.6	3.8	3.9	3.9	4.2	4.2	4.2	4.2	4.4	4.3	4.2	4.4	4.4
	N	42	30	30	30	29	28	30	29	28	29	29	27	29	29	27
APR	MEAN	3.2	3.3	4.3	4.6	4.7	4.7	4.8	4.9	4.9	4.9	5.0	5.0	4.9	5.0	5.0
	90%	4.2	4.5	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.6	5.7	5.7	5.6	5.7	5.7
	50%	-3.2	-3.3	-4.3	-4.2	-4.8	-4.8	-5.0	-5.0	-5.0	-5.2	-5.2	-5.2	-5.2	-5.2	-5.2
	10%	2.2	2.2	3.2	3.5	3.6	3.6	3.8	4.0	3.9	3.8	3.9	3.9	3.8	4.0	4.0
	N	42	40	42	42	42	41	42	42	41	42	41	41	42	41	41
MAY	MEAN	3.6	3.8	4.7	4.8	4.8	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.0	5.0
	90%	4.2	4.4	5.2	5.3	5.4	5.4	5.5	5.6	5.5	5.7	5.8	5.8	5.7	5.8	5.8
	50%	-3.8	-3.2	-4.8	-4.9	-4.9	-4.9	-5.0	-5.0	-5.0	-5.1	-5.1	-5.1	-5.1	-5.1	-5.1
	10%	2.8	3.0	3.9	3.6	3.7	3.7	4.1	3.9	3.9	4.1	4.2	4.2	4.1	4.2	4.2
	N	42	41	42	42	42	41	42	42	41	42	41	41	42	41	41
JUN	MEAN	3.8	3.9	4.7	4.9	4.9	5.0	5.0	5.1	5.1	5.0	5.1	5.1	5.0	5.1	5.1
	90%	4.2	4.3	5.2	5.4	5.6	5.4	5.9	6.0	5.6	5.9	6.0	5.7	5.9	6.0	5.7
	50%	-4.2	-4.1	-4.6	-4.2	-4.2	-5.0	-5.0	-5.0	-5.0	-4.2	-5.0	-5.1	-4.2	-5.0	-5.1
	10%	3.1	3.1	4.1	4.4	4.4	4.5	4.4	4.5	4.5	4.5	4.5	4.6	4.5	4.5	4.6
	N	42	41	42	41	41	40	41	41	40	41	41	40	41	41	40
JUL	MEAN	4.1	4.2	4.5	4.8	4.8	4.9	4.9	5.0	5.0	4.9	5.0	5.0	4.9	5.0	5.0
	90%	4.7	4.8	5.4	5.7	5.9	5.7	5.9	6.0	5.9	5.9	6.0	5.9	5.9	6.0	5.9
	50%	-4.1	-4.3	-4.5	-4.7	-4.8	-4.8	-4.9	-4.2	-5.0	-4.2	-5.0	-5.0	-4.2	-5.0	-5.0
	10%	3.4	3.6	3.8	4.1	4.1	4.2	4.2	4.2	4.3	4.2	4.3	4.3	4.2	4.3	4.3
	N	42	40	42	42	42	41	42	42	41	42	42	41	42	42	41
AUG	MEAN	4.3	4.4	4.5	4.8	4.9	4.9	5.0	5.1	5.1	5.0	5.1	5.2	5.0	5.1	5.2
	90%	4.7	4.8	5.4	5.9	6.2	6.2	6.2	6.4	5.8	6.2	6.4	5.9	6.2	6.4	5.9
	50%	-4.1	-4.3	-4.4	-4.7	-4.8	-4.8	-4.2	-5.0	-5.1	-4.2	-5.0	-5.0	-4.2	-5.0	-5.0
	10%	4.0	4.2	3.8	4.1	4.2	4.3	4.1	4.2	4.3	4.2	4.3	4.4	4.2	4.3	4.4
	N	41	37	42	42	42	40	42	42	40	42	42	40	42	42	40
SEP	MEAN	4.2	4.3	4.8	5.0	5.1	5.1	5.2	5.3	5.3	5.2	5.3	5.3	5.2	5.3	5.3
	90%	4.6	4.8	5.4	5.8	6.1	5.8	6.1	6.2	6.2	6.1	6.3	6.2	6.1	6.3	6.2
	50%	-4.1	-4.2	-4.8	-2.0	-5.0	-5.1	-5.0	-5.2	-5.3	-5.1	-5.2	-5.2	-5.1	-5.2	-5.2
	10%	3.8	3.9	4.3	4.5	4.6	4.6	4.6	4.6	4.7	4.6	4.6	4.7	4.6	4.6	4.7
	N	41	37	42	42	42	40	42	41	41	42	42	41	42	42	41
OCT	MEAN	4.2	4.2	5.1	5.3	5.3	5.4	5.3	5.4	5.5	5.4	5.4	5.5	5.4	5.4	5.5
	90%	4.4	4.4	5.6	5.8	5.9	6.0	5.8	6.2	6.2	5.9	6.2	6.2	5.9	6.2	6.2
	50%	-4.1	-4.2	-2.1	-2.2	-5.2	-5.3	-5.2	-5.3	-5.3	-5.2	-5.3	-5.3	-5.2	-5.3	-5.3
	10%	3.8	3.8	4.8	5.0	5.0	5.1	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.1
	N	42	41	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV	MEAN	4.0	4.0	4.6	4.8	4.9	4.9	5.0	5.1	5.1	5.0	5.1	5.1	5.0	5.1	5.1
	90%	4.4	4.5	5.4	5.9	6.1	6.1	5.9	6.3	6.4	6.0	6.3	6.3	6.0	6.3	6.3
	50%	-4.0	-4.0	-4.4	-4.7	-4.8	-4.8	-4.8	-4.2	-4.2	-4.8	-4.2	-4.2	-4.8	-4.2	-4.2
	10%	3.5	3.6	4.0	4.3	4.3	4.4	4.4	4.4	4.5	4.4	4.5	4.5	4.4	4.5	4.5
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC	MEAN	4.3	4.4	4.1	4.5	4.6	4.6	4.7	4.9	4.9	4.8	4.9	4.9	4.8	4.9	4.9
	90%	5.1	5.1	5.2	5.8	6.0	6.0	6.1	6.6	6.6	6.3	6.6	6.6	6.3	6.6	6.6
	50%	-4.2	-4.3	-2.8	-4.3	-4.4	-4.4	-4.6	-4.7	-4.8	-4.6	-4.7	-4.7	-4.6	-4.7	-4.7
	10%	3.6	3.7	3.4	3.7	3.8	3.8	3.8	3.9	4.0	3.9	3.9	4.0	3.9	3.9	4.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 3

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	5.0	4.3	4.6	4.7	4.6	4.8
90%	6.6	6.1	6.5	6.5	6.5	6.7
50%	4.8	4.1	4.2	4.2	4.2	4.6
10%	4.2	3.2	3.4	3.5	3.4	3.5
N	16	42	42	42	42	42
FEB MEAN	4.5	4.4	4.7	4.7	4.7	4.9
90%	5.7	5.9	6.3	6.3	6.3	6.6
50%	4.6	4.2	4.6	4.6	4.6	4.7
10%	3.4	3.3	3.5	3.5	3.5	3.6
N	23	42	42	42	42	42
MAR MEAN	3.9	4.8	4.8	5.0	4.8	4.9
90%	6.8	5.5	5.5	5.7	5.5	5.6
50%	3.3	4.8	4.2	5.0	4.2	4.2
10%	2.3	4.0	4.1	4.4	4.1	4.2
N	40	42	42	42	42	42
APR MEAN	3.3	4.6	4.7	4.8	4.7	4.8
90%	4.5	5.2	5.3	5.5	5.3	5.3
50%	3.3	4.8	4.2	5.1	4.2	4.2
10%	2.2	3.5	3.8	3.7	3.8	3.9
N	42	42	42	42	42	42
MAY MEAN	3.7	4.7	4.9	5.0	4.9	4.9
90%	4.3	5.2	5.4	5.7	5.4	5.5
50%	3.2	4.8	4.2	5.0	4.2	4.2
10%	2.9	3.6	4.1	4.1	4.1	3.9
N	42	42	42	42	42	42
JUN MEAN	3.9	4.8	5.0	5.0	5.0	5.0
90%	4.3	5.4	5.8	5.8	5.8	5.9
50%	4.0	4.6	4.2	4.2	4.2	4.2
10%	3.1	4.3	4.4	4.4	4.4	4.4
N	42	41	41	41	41	41
JUL MEAN	4.2	4.7	4.8	4.8	4.8	4.9
90%	4.7	5.7	5.9	5.9	5.9	6.0
50%	4.1	4.6	4.8	4.8	4.8	4.2
10%	3.4	4.0	4.1	4.2	4.1	4.1
N	42	42	42	42	42	42
AUG MEAN	4.3	4.7	4.9	4.9	4.9	5.0
90%	4.8	5.9	6.2	6.2	6.2	6.4
50%	4.2	4.6	4.8	4.8	4.8	4.2
10%	4.0	4.0	4.0	4.1	4.0	4.1
N	41	42	42	42	42	42
SEP MEAN	4.2	4.9	5.1	5.1	5.1	5.2
90%	4.6	5.7	6.0	6.1	6.0	6.3
50%	4.1	4.4	5.0	5.0	5.0	5.1
10%	3.8	4.4	4.5	4.6	4.5	4.5
N	41	42	42	42	42	42
OCT MEAN	4.2	5.3	5.3	5.3	5.3	5.4
90%	4.4	5.6	5.8	5.9	5.8	6.2
50%	4.1	5.1	5.2	5.2	5.2	5.3
10%	3.8	5.0	4.9	5.0	4.9	5.0
N	42	42	42	42	42	42
NOV MEAN	4.0	4.8	4.9	5.0	4.9	5.0
90%	4.4	5.9	5.9	6.0	5.9	6.3
50%	4.0	4.7	4.8	4.8	4.8	4.2
10%	3.5	4.2	4.4	4.3	4.4	4.4
N	42	42	42	42	42	42
DEC MEAN	4.4	4.5	4.7	4.7	4.7	4.8
90%	5.1	5.7	6.1	6.3	6.1	6.6
50%	4.2	4.3	4.6	4.6	4.6	4.7
10%	3.7	3.6	3.8	3.8	3.8	3.8
N	42	42	42	42	42	42

STATION 3

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN MEAN	4.9	5.0	3.8	4.3	4.4	4.7	4.1
90%	6.6	6.8	5.4	6.1	6.1	6.5	6.1
50%	4.8	4.8	3.2	4.1	4.1	4.5	3.8
10%	4.2	4.1	2.8	3.3	3.3	3.5	3.0
N	16	14	42	42	42	42	42
FEB MEAN	4.5	4.5	3.9	4.4	4.5	4.7	4.1
90%	5.7	5.7	5.4	5.9	6.0	6.3	5.8
50%	4.6	4.2	3.7	4.2	4.2	4.6	4.0
10%	3.4	3.4	2.8	3.3	3.3	3.5	3.0
N	23	22	41	42	42	42	41
MAR MEAN	3.3	3.4	4.6	4.7	4.9	4.9	4.9
90%	5.0	6.6	5.3	5.3	5.6	5.4	5.4
50%	2.9	2.9	4.7	4.8	5.0	4.9	4.9
10%	2.3	2.2	3.6	3.8	3.9	4.2	4.1
N	42	30	30	30	30	29	29
APR MEAN	3.2	3.3	4.3	4.6	4.8	4.9	4.8
90%	4.2	4.5	5.3	5.3	5.5	5.6	5.5
50%	3.2	3.3	4.3	4.9	5.0	5.2	5.2
10%	2.2	2.2	3.2	3.5	3.5	3.8	3.3
N	42	40	42	42	42	42	41
MAY MEAN	3.6	3.8	4.7	4.8	4.8	5.0	4.8
90%	4.2	4.4	5.2	5.3	5.4	5.7	5.4
50%	3.3	3.9	4.8	4.9	5.0	5.1	4.9
10%	2.8	3.0	3.9	3.6	3.6	4.1	3.8
N	42	41	42	42	42	42	41
JUN MEAN	3.8	3.9	4.7	4.9	4.9	5.0	4.8
90%	4.2	4.3	5.2	5.4	5.5	5.9	5.4
50%	4.0	4.1	4.6	4.9	5.0	4.9	4.8
10%	3.1	3.1	4.1	4.4	4.4	4.5	4.2
N	42	41	42	41	41	41	41
JUL MEAN	4.1	4.2	4.5	4.8	4.8	4.9	4.6
90%	4.7	4.8	5.4	5.7	5.8	5.9	5.7
50%	4.1	4.3	4.5	4.7	4.8	4.9	4.5
10%	3.4	3.6	3.8	4.1	4.1	4.2	3.9
N	42	40	42	42	42	42	42
AUG MEAN	4.3	4.4	4.5	4.8	4.9	5.0	4.6
90%	4.7	4.8	5.4	5.9	6.0	6.2	5.8
50%	4.1	4.3	4.4	4.7	4.8	4.9	4.5
10%	4.0	4.2	3.8	4.1	4.1	4.2	3.8
N	41	37	42	42	42	42	42
SEP MEAN	4.2	4.3	4.8	5.0	5.1	5.2	4.9
90%	4.6	4.8	5.4	5.8	6.0	6.1	5.8
50%	4.1	4.2	4.8	5.0	5.1	5.1	4.8
10%	3.8	3.9	4.3	4.5	4.6	4.6	4.3
N	41	39	42	42	42	42	42
OCT MEAN	4.2	4.2	5.1	5.3	5.4	5.4	5.2
90%	4.4	4.4	5.6	5.8	5.9	5.9	5.7
50%	4.1	4.2	5.1	5.2	5.3	5.2	5.1
10%	3.8	3.8	4.8	5.0	5.1	5.1	4.8
N	42	41	42	42	42	42	42
NOV MEAN	4.0	4.0	4.6	4.8	5.0	5.0	4.7
90%	4.4	4.5	5.4	5.9	6.1	6.0	5.6
50%	4.0	4.0	4.4	4.7	4.8	4.8	4.5
10%	3.5	3.6	4.0	4.3	4.4	4.4	4.1
N	42	42	42	42	42	42	42
DEC MEAN	4.3	4.4	4.1	4.5	4.5	4.8	4.3
90%	5.1	5.1	5.2	5.8	5.8	6.3	5.7
50%	4.2	4.3	3.8	4.3	4.3	4.6	4.0
10%	3.6	3.7	3.4	3.7	3.7	3.9	3.5
N	42	42	42	42	42	42	42

STATION 4 SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.5	3.5	3.5	3.1	3.1	3.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-5.2	-5.2	-5.2	-5.2	-5.2	-5.2	-5.2	-5.2	-5.2	-3.4	-3.4	-3.4	-2.9	-2.9	-2.9
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3	3	3	3	8	8	8	8	8	8
FEB MEAN	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.6	3.6	3.6	3.1	3.1	3.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.4	4.4	4.0	4.0	4.0
50%	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-3.5	-3.5	-3.5	-3.0	-3.0	-3.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.8	2.8	2.7	2.7	2.7
N	7	7	7	7	7	7	7	7	7	11	11	11	11	11	11
MAR MEAN	3.1	3.3	3.3	3.3	3.4	3.4	3.3	3.4	3.4	3.4	3.4	3.4	3.0	3.0	3.0
90%	4.1	4.5	4.5	4.5	4.8	4.8	4.5	4.8	4.8	4.2	4.2	4.2	3.5	3.5	3.5
50%	-3.1	-3.2	-3.2	-3.2	-3.3	-3.2	-3.2	-3.2	-3.2	-3.4	-3.4	-3.4	-2.9	-2.9	-2.9
10%	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.9	2.9	2.9	2.7	2.7	2.7
N	38	37	37	37	37	37	37	37	37	39	39	39	39	39	39
APR MEAN	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.3	2.9	2.9	2.9
90%	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.1	4.1	4.1	3.4	3.4	3.4
50%	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.3	-3.3	-3.3	-2.9	-2.9	-2.9
10%	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.7	2.7	2.7	2.5	2.5	2.5
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.3	3.3	3.3	2.9	2.9	2.9
90%	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.4	3.4	3.4
50%	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.2	-3.2	-3.2	-2.8	-2.8	-2.8
10%	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.6	2.6	2.6	2.4	2.4	2.4
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.3	3.3	3.3	2.9	2.9	2.9
90%	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.1	4.1	4.1	3.4	3.4	3.4
50%	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-3.3	-3.3	-3.3	-2.9	-2.9	-2.9
10%	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.7	2.7	2.7	2.5	2.5	2.5
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUL MEAN	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	3.3	3.4	3.4	2.9	2.9	2.9
90%	4.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.1	4.1	4.1	3.4	3.4	3.4
50%	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-3.3	-3.3	-3.3	-2.9	-2.9	-2.9
10%	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.7	2.7	2.7	2.6	2.6	2.6
N	33	33	33	33	33	33	33	33	33	42	42	42	42	42	42
AUG MEAN	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.4	3.4	3.4	2.9	2.9	2.9
90%	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.0	4.0	4.0	3.3	3.3	3.3
50%	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-3.3	-3.3	-3.3	-2.9	-2.9	-2.9
10%	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.7	2.7	2.7	2.6	2.6	2.6
N	19	19	19	19	19	19	19	19	19	37	37	37	37	37	37
SEP MEAN	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	3.4	3.4	3.4	2.9	2.9	2.9
90%	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.2	4.2	4.2	3.4	3.4	3.4
50%	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-4.1	-3.4	-3.4	-3.4	-2.9	-2.9	-2.9
10%	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.8	2.8	2.8	2.6	2.6	2.6
N	16	16	16	16	16	16	16	16	16	38	38	38	38	38	38
OCT MEAN	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	3.5	3.5	3.5	3.0	3.0	3.0
90%	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	4.2	4.2	4.2	3.5	3.5	3.5
50%	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-3.4	-3.4	-3.4	-3.0	-3.0	-3.0
10%	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	2.8	2.8	2.8	2.6	2.6	2.6
N	35	35	35	35	35	35	35	35	35	42	42	42	42	42	42
NOV MEAN	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.5	3.5	3.5	3.0	3.0	3.0
90%	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.2	4.2	4.2	3.5	3.5	3.5
50%	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-3.4	-3.4	-3.4	-3.0	-3.0	-3.0
10%	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	2.8	2.8	2.8	2.7	2.7	2.7
N	40	40	40	40	40	40	40	40	40	42	42	42	42	42	42
DEC MEAN	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	3.5	3.5	3.5	3.0	3.0	3.0
90%	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.2	4.2	4.2	3.4	3.4	3.4
50%	-5.2	-5.2	-5.2	-5.2	-5.2	-5.2	-5.2	-5.2	-5.2	-3.4	-3.4	-3.4	-3.0	-3.0	-3.0
10%	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	2.8	2.8	2.8	2.7	2.7	2.7
N	19	19	19	19	19	19	19	19	19	40	40	40	40	40	40

STATION 4

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	5.0	5.0	5.0	3.5	5.0	5.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.2	-2.2	-2.2	-2.5	-2.2	-2.2
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	8	3	3
FEB MEAN	4.7	4.7	4.7	3.6	4.7	4.7
90%	0.0	0.0	0.0	4.4	0.0	0.0
50%	-4.8	-4.8	-4.8	-2.5	-4.8	-4.8
10%	0.0	0.0	0.0	2.9	0.0	0.0
N	7	7	7	11	7	7
MAR MEAN	3.3	3.3	3.3	3.4	3.1	3.1
90%	5.1	5.1	5.1	4.2	4.0	4.0
50%	-3.2	-3.2	-3.2	-2.5	-3.1	-3.1
10%	2.4	2.4	2.4	2.9	2.3	2.3
N	37	37	37	39	37	37
APR MEAN	3.2	3.2	3.2	3.3	3.2	3.2
90%	3.9	3.9	3.9	4.1	3.9	3.9
50%	-3.2	-3.2	-3.2	-2.2	-3.2	-3.2
10%	2.3	2.3	2.3	2.7	2.3	2.3
N	42	42	42	42	42	42
MAY MEAN	3.7	3.7	3.7	3.3	3.7	3.7
90%	4.1	4.1	4.1	4.1	4.1	4.1
50%	-2.8	-2.8	-2.8	-2.2	-3.8	-3.8
10%	3.1	3.1	3.1	2.6	3.1	3.1
N	42	42	42	42	42	42
JUN MEAN	4.0	4.0	4.0	3.3	4.0	4.0
90%	4.7	4.7	4.7	4.1	4.7	4.7
50%	-4.0	-4.0	-4.0	-2.3	-4.0	-4.0
10%	3.2	3.2	3.2	2.7	3.2	3.2
N	42	42	42	42	42	42
JUL MEAN	4.3	4.3	4.3	3.3	4.3	4.3
90%	4.9	4.9	4.9	4.1	4.9	4.9
50%	-4.0	-4.0	-4.0	-2.3	-4.0	-4.0
10%	3.4	3.4	3.4	2.7	3.4	3.4
N	33	33	33	42	33	33
AUG MEAN	4.6	4.6	4.6	3.3	4.6	4.6
90%	5.3	5.3	5.3	4.0	5.3	5.3
50%	-4.7	-4.7	-4.7	-3.3	-4.7	-4.7
10%	3.9	3.9	3.9	2.7	3.9	3.9
N	19	19	19	37	19	19
SEP MEAN	4.7	4.7	4.7	3.4	4.7	4.7
90%	5.4	5.4	5.4	4.2	5.4	5.4
50%	-4.7	-4.7	-4.7	-3.4	-4.7	-4.7
10%	3.9	3.9	3.9	2.8	3.9	3.9
N	16	16	16	38	16	16
OCT MEAN	4.6	4.6	4.6	3.5	4.6	4.6
90%	5.1	5.1	5.1	4.2	5.1	5.1
50%	-4.6	-4.6	-4.6	-2.4	-4.6	-4.6
10%	4.2	4.2	4.2	2.8	4.2	4.2
N	35	35	35	42	35	35
NOV MEAN	4.9	4.9	4.9	3.5	4.9	4.9
90%	5.3	5.3	5.3	4.2	5.3	5.3
50%	-4.8	-4.8	-4.8	-2.4	-4.8	-4.8
10%	4.6	4.6	4.6	2.8	4.6	4.6
N	40	40	40	42	40	40
DEC MEAN	5.1	5.1	5.1	3.5	5.1	5.1
90%	5.4	5.4	5.4	4.2	5.4	5.4
50%	-2.2	-2.2	-2.2	-2.5	-2.2	-2.2
10%	4.6	4.6	4.6	2.8	4.6	4.6
N	19	19	19	40	19	19

STATION 4

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN MEAN	5.0	5.0	5.0	5.0	5.0	3.5	3.5
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-3.4	-3.4
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	8	8
FEB MEAN	4.7	4.7	4.7	4.7	4.7	3.6	3.6
90%	0.0	0.0	0.0	0.0	0.0	4.4	4.4
50%	-4.8	-4.8	-4.8	-4.8	-4.8	-3.5	-3.5
10%	0.0	0.0	0.0	0.0	0.0	2.9	2.9
N	7	7	7	7	7	11	11
MAR MEAN	3.1	3.3	3.3	3.3	3.3	3.4	3.4
90%	4.1	4.5	4.5	4.5	4.5	4.2	4.2
50%	-3.1	-3.2	-3.2	-3.2	-3.2	-3.4	-3.4
10%	2.4	2.4	2.4	2.4	2.4	2.9	2.9
N	38	37	37	37	37	39	39
APR MEAN	3.2	3.2	3.2	3.2	3.2	3.3	3.3
90%	3.9	3.9	3.9	3.9	3.9	4.1	4.1
50%	-3.2	-3.2	-3.2	-3.2	-3.2	-3.3	-3.3
10%	2.3	2.3	2.3	2.3	2.3	2.7	2.7
N	42	42	42	42	42	42	42
MAY MEAN	3.7	3.7	3.7	3.7	3.7	3.3	3.3
90%	4.1	4.1	4.1	4.1	4.1	4.1	4.1
50%	-3.8	-3.8	-3.8	-3.8	-3.8	-3.2	-3.2
10%	3.1	3.1	3.1	3.1	3.1	2.6	2.6
N	42	42	42	42	42	42	42
JUN MEAN	4.0	4.0	4.0	4.0	4.0	3.3	3.3
90%	4.7	4.7	4.7	4.7	4.7	4.1	4.1
50%	-4.0	-4.0	-4.0	-4.0	-4.0	-3.3	-3.3
10%	3.2	3.2	3.2	3.2	3.2	2.7	2.7
N	42	42	42	42	42	42	42
JUL MEAN	4.3	4.3	4.3	4.3	4.3	3.3	3.3
90%	4.9	4.9	4.9	4.9	4.9	4.1	4.1
50%	-4.6	-4.6	-4.6	-4.6	-4.6	-3.3	-3.3
10%	3.4	3.4	3.4	3.4	3.4	2.7	2.7
N	33	33	33	33	33	42	42
AUG MEAN	4.6	4.6	4.6	4.6	4.6	3.4	3.3
90%	5.3	5.3	5.3	5.3	5.3	4.0	4.0
50%	-4.7	-4.7	-4.7	-4.7	-4.7	-3.3	-3.3
10%	3.9	3.9	3.9	3.9	3.9	2.7	2.7
N	19	19	19	19	19	37	37
SEP MEAN	4.7	4.7	4.7	4.7	4.7	3.4	3.4
90%	5.4	5.4	5.4	5.4	5.4	4.2	4.2
50%	-4.7	-4.7	-4.7	-4.7	-4.7	-3.4	-3.4
10%	3.9	3.9	3.9	3.9	3.9	2.8	2.8
N	16	16	16	16	16	38	38
OCT MEAN	4.6	4.6	4.6	4.6	4.6	3.5	3.5
90%	5.1	5.1	5.1	5.1	5.1	4.2	4.2
50%	-4.6	-4.6	-4.6	-4.6	-4.6	-3.4	-3.4
10%	4.2	4.2	4.2	4.2	4.2	2.8	2.8
N	35	35	35	35	35	42	42
NOV MEAN	4.9	4.9	4.9	4.9	4.9	3.5	3.5
90%	5.3	5.3	5.3	5.3	5.3	4.2	4.2
50%	-4.8	-4.8	-4.8	-4.8	-4.8	-3.4	-3.4
10%	4.6	4.6	4.6	4.6	4.6	2.8	2.8
N	40	40	40	40	40	42	42
DEC MEAN	5.1	5.1	5.1	5.1	5.1	3.5	3.5
90%	5.4	5.4	5.4	5.4	5.4	4.2	4.2
50%	-5.2	-5.2	-5.2	-5.2	-5.2	-3.4	-3.4
10%	4.6	4.6	4.6	4.6	4.6	2.8	2.8
N	19	19	19	19	19	40	40

STATION 5

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.2	3.2	3.2	2.8	2.8	2.8
90%	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.5	4.5	4.5	3.5	3.5	3.5
50%	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-3.0	-3.0	-3.0	-2.8	-2.8	-2.8
10%	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
N	25	25	25	25	25	25	25	25	25	22	22	22	22	22	22
APR MEAN	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.0	3.0	3.0	2.7	2.7	2.7
90%	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.2	4.2	4.2	3.2	3.2	3.2
50%	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-3.0	-3.0	-3.0	-2.7	-2.7	-2.7
10%	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1
N	27	27	27	27	27	27	27	27	27	23	23	23	23	23	23
MAY MEAN	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.4	3.4	3.4	3.2	3.2	3.2
90%	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.7	3.7	3.7	3.4	3.4	3.4
50%	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.5	-3.5	-3.5	-3.2	-3.2	-3.2
10%	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
JUN MEAN	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.1	3.1	3.1
90%	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.2	-3.2	-3.2	-3.1	-3.1	-3.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
JUL MEAN	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3	-3.3
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
AUG MEAN	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4	-4.4
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
SEP MEAN	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7	-3.7
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 5		SCENARIO SUMMARY LISTING FOR SAR					
MO	YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0
FEB	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0
MAR	MEAN	2.8	2.8	2.8	3.2	2.8	2.8
	90%	3.6	3.6	3.6	4.5	3.6	3.6
	50%	2.8	2.8	2.8	3.0	2.8	2.8
	10%	2.2	2.2	2.2	2.2	2.2	2.2
	N	25	25	25	22	25	25
APR	MEAN	2.8	2.8	2.8	3.0	2.8	2.8
	90%	3.4	3.4	3.4	4.2	3.4	3.4
	50%	2.8	2.8	2.8	3.0	2.8	2.8
	10%	2.2	2.2	2.2	2.1	2.2	2.2
	N	27	27	27	23	27	27
MAY	MEAN	3.2	3.2	3.2	3.4	3.2	3.2
	90%	3.4	3.4	3.4	3.7	3.4	3.4
	50%	3.2	3.2	3.2	3.2	3.2	3.2
	10%	2.9	2.9	2.9	2.9	2.9	2.9
	N	10	10	10	10	10	10
JUN	MEAN	3.1	3.1	3.1	3.2	3.1	3.1
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	3.1	3.1	3.1	3.2	3.1	3.1
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	7	7	7	7	7	7
JUL	MEAN	3.3	3.3	3.3	3.3	3.3	3.3
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	3.3	3.3	3.3	3.3	3.3	3.3
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	2	2	2	2	2	2
AUG	MEAN	4.4	4.4	4.4	4.4	4.4	4.4
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	4.4	4.4	4.4	4.4	4.4	4.4
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	2	2	2	2	2	2
SEP	MEAN	3.7	3.7	3.7	3.7	3.7	3.7
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	3.7	3.7	3.7	3.7	3.7	3.7
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	1	1	1	1	1	1
OCT	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0
NOV	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0
DEC	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	0.0	0.0	0.0	0.0	0.0	0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0

STATION 5

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC1C	SC10A
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0
MAR MEAN	2.8	2.8	2.8	2.8	2.8	3.2	3.2
90%	3.6	3.6	3.6	3.6	3.6	4.5	4.5
50%	<u>2.8</u>	<u>2.8</u>	<u>2.8</u>	<u>2.8</u>	<u>2.8</u>	<u>3.0</u>	<u>3.0</u>
10%	2.2	2.2	2.2	2.2	2.2	2.2	2.2
N	25	25	25	25	25	22	22
APR MEAN	2.8	2.8	2.8	2.8	2.8	3.0	3.0
90%	3.4	3.4	3.4	3.4	3.4	4.2	4.2
50%	<u>2.8</u>	<u>2.8</u>	<u>2.8</u>	<u>2.8</u>	<u>2.8</u>	<u>3.0</u>	<u>3.0</u>
10%	2.2	2.2	2.2	2.2	2.2	2.1	2.1
N	27	27	27	27	27	23	23
MAY MEAN	3.2	3.2	3.2	3.2	3.2	3.4	3.4
90%	3.4	3.4	3.4	3.4	3.4	3.7	3.7
50%	<u>3.2</u>	<u>3.2</u>	<u>3.2</u>	<u>3.2</u>	<u>3.2</u>	<u>3.5</u>	<u>3.5</u>
10%	2.9	2.9	2.9	2.9	2.9	2.9	2.9
N	10	10	10	10	10	10	10
JUN MEAN	3.1	3.1	3.1	3.1	3.1	3.2	3.2
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	<u>3.1</u>	<u>3.1</u>	<u>3.1</u>	<u>3.1</u>	<u>3.1</u>	<u>3.2</u>	<u>3.2</u>
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7	7
JUL MEAN	3.3	3.3	3.3	3.3	3.3	3.3	3.3
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	<u>3.3</u>	<u>3.3</u>	<u>3.3</u>	<u>3.3</u>	<u>3.3</u>	<u>3.3</u>	<u>3.3</u>
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2
AUG MEAN	4.4	4.4	4.4	4.4	4.4	4.4	4.4
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	<u>4.4</u>	<u>4.4</u>	<u>4.4</u>	<u>4.4</u>	<u>4.4</u>	<u>4.4</u>	<u>4.4</u>
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2
SEP MEAN	3.7	3.7	3.7	3.7	3.7	3.7	3.7
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	<u>3.7</u>	<u>3.7</u>	<u>3.7</u>	<u>3.7</u>	<u>3.7</u>	<u>3.7</u>	<u>3.7</u>
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1	1
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0

STATION 6

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MAR MEAN	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5	4.4	4.4	4.4
90%	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7	6.7	6.7	6.7	6.7
50%	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2
10%	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
N	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
APR MEAN	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
90%	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
50%	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.6	-4.7	-4.7	-4.7	-4.7	-4.7	-4.7
10%	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY MEAN	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
90%	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
50%	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2
10%	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
JUN MEAN	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
90%	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
50%	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6
10%	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
N	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
JUL MEAN	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
90%	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
N	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
AUG MEAN	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
90%	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
50%	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1
10%	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
N	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
SEP MEAN	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
90%	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
N	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
OCT MEAN	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
90%	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
50%	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5
10%	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
N	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
NOV MEAN	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 6

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
FEB MEAN	8.5	8.5	8.5	8.5	8.5	8.5
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-8.3	-8.3	-8.3	-8.3	-8.3	-8.3
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3
MAR MEAN	4.4	4.4	4.4	4.5	4.4	4.4
90%	6.6	6.6	6.6	6.7	6.6	6.6
50%	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2
10%	2.3	2.3	2.3	2.3	2.3	2.3
N	37	37	37	37	37	37
APR MEAN	4.9	4.9	4.9	4.9	4.9	4.9
90%	7.5	7.5	7.5	7.5	7.5	7.5
50%	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6
10%	2.3	2.3	2.3	2.3	2.3	2.3
N	42	42	42	42	42	42
MAY MEAN	6.7	6.7	6.7	6.7	6.7	6.7
90%	8.1	8.1	8.1	8.1	8.1	8.1
50%	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2
10%	4.7	4.7	4.7	4.7	4.7	4.7
N	42	42	42	42	42	42
JUN MEAN	7.4	7.4	7.4	7.4	7.4	7.4
90%	9.9	9.9	9.9	9.9	9.9	9.9
50%	-7.2	-7.2	-7.2	-7.2	-7.2	-7.2
10%	4.6	4.6	4.6	4.6	4.6	4.6
N	40	40	40	40	40	40
JUL MEAN	8.6	8.6	8.6	8.6	8.6	8.6
90%	10.4	10.4	10.4	10.4	10.4	10.4
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	5.6	5.6	5.6	5.6	5.6	5.6
N	32	32	32	32	32	32
AUG MEAN	8.6	8.6	8.6	8.6	8.6	8.6
90%	10.4	10.4	10.4	10.4	10.4	10.4
50%	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1
10%	6.2	6.2	6.2	6.2	6.2	6.2
N	14	14	14	14	14	14
SEP MEAN	9.3	9.3	9.3	9.3	9.3	9.3
90%	10.4	10.4	10.4	10.4	10.4	10.4
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	6.4	6.4	6.4	6.4	6.4	6.4
N	11	11	11	11	11	11
OCT MEAN	9.4	9.4	9.4	9.4	9.4	9.4
90%	10.4	10.4	10.4	10.4	10.4	10.4
50%	-2.2	-2.2	-2.2	-2.5	-2.5	-2.5
10%	8.4	8.4	3.4	8.4	8.4	8.4
N	28	28	28	28	28	28
NOV MEAN	9.1	9.1	9.1	9.1	9.1	9.1
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0

STATION 6 SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4h	SC1C	SC10A
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0
FEB MEAN	8.5	8.5	8.5	8.5	8.5	8.5	8.5
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5	-8.5
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3	3
MAR MEAN	4.4	4.4	4.4	4.4	4.4	4.5	4.5
90%	6.6	6.6	6.6	6.6	6.6	6.7	6.7
50%	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2
10%	2.3	2.3	2.3	2.3	2.3	2.3	2.3
N	37	37	37	37	37	37	37
APR MEAN	4.9	4.9	4.9	4.9	4.9	4.9	4.9
90%	7.5	7.5	7.5	7.5	7.5	7.5	7.5
50%	-4.6	-4.6	-4.6	-4.6	-4.6	-4.7	-4.7
10%	2.3	2.3	2.3	2.3	2.3	2.3	2.3
N	42	42	42	42	42	42	42
MAY MEAN	6.7	6.7	6.7	6.7	6.7	6.7	6.7
90%	8.1	8.1	8.1	8.1	8.1	8.1	8.1
50%	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2
10%	4.7	4.7	4.7	4.7	4.7	4.7	4.7
N	42	42	42	42	42	42	42
JUN MEAN	7.4	7.4	7.4	7.4	7.4	7.4	7.4
90%	9.9	9.9	9.9	9.9	9.9	9.9	9.9
50%	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6	-7.6
10%	4.6	4.6	4.6	4.6	4.6	4.6	4.6
N	40	40	40	40	40	40	40
JUL MEAN	8.6	8.6	8.6	8.6	8.6	8.6	8.6
90%	10.4	10.4	10.4	10.4	10.4	10.4	10.4
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	5.6	5.6	5.6	5.6	5.6	5.6	5.6
N	32	32	32	32	32	32	32
AUG MEAN	8.6	8.6	8.6	8.6	8.6	8.6	8.6
90%	10.4	10.4	10.4	10.4	10.4	10.4	10.4
50%	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1	-2.1
10%	6.2	6.2	6.2	6.2	6.2	6.2	6.2
N	14	14	14	14	14	14	14
SEP MEAN	9.3	9.3	9.3	9.3	9.3	9.3	9.3
90%	10.4	10.4	10.4	10.4	10.4	10.4	10.4
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	6.4	6.4	6.4	6.4	6.4	6.4	6.4
N	11	11	11	11	11	11	11
OCT MEAN	9.4	9.4	9.4	9.4	9.4	9.4	9.4
90%	10.4	10.4	10.4	10.4	10.4	10.4	10.4
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	8.4	8.4	8.4	8.4	8.4	8.4	8.4
N	28	28	28	28	28	28	28
NOV MEAN	9.1	9.1	9.1	9.1	9.1	9.1	9.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	3	3	3	3	3	3	3
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0

STATION 7

SCENARIO SUMMARY LISTING FOR SAR

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	5.6	6.7	6.7	6.7	6.7	7.1	6.7	6.7	7.1	7.4	7.4	7.1	7.3	7.3	7.1
	90%	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	7.1	0.0	0.0	7.1	0.0	0.0	7.1
	50%	-2.6	-6.2	-6.2	-6.2	-6.2	-7.1	-6.2	-6.2	-7.1	-8.7	-8.6	-7.1	-8.7	-8.6	-7.1
	10%	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	7.1	0.0	0.0	7.1	0.0	0.0	7.1
	N	2	4	4	4	4	42	4	4	42	3	3	39	3	3	39
FEB	MEAN	5.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.9	5.9	6.6	5.8	5.8	6.5
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-2.1	-2.4	-2.4	-2.4	-2.2	-2.6	-2.4	-2.2	-2.6	-2.0	-2.0	-2.2	-2.2	-2.2	-2.2
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	6	7	7	7	7	7	7	7	7	5	5	6	5	5	6
MAR	MEAN	3.4	3.4	3.4	3.4	3.7	3.8	3.4	3.7	3.8	3.6	3.7	3.9	3.3	3.5	3.7
	90%	5.1	4.9	4.9	4.9	5.8	6.0	4.9	5.8	6.0	4.7	5.0	5.6	4.5	4.9	5.3
	50%	-3.2	-3.2	-3.2	-3.2	-3.2	-3.4	-3.2	-3.2	-3.4	-3.4	-3.5	-3.6	-3.2	-3.2	-3.4
	10%	2.0	2.0	2.0	2.0	2.1	2.3	2.0	2.1	2.3	2.7	2.7	2.7	2.4	2.4	2.4
	N	38	37	37	37	38	38	37	38	38	37	38	38	37	38	38
APR	MEAN	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.2	3.2	3.2
	90%	4.7	4.8	4.8	4.7	4.6	4.8	4.7	4.8	4.6	4.3	4.3	4.3	4.2	4.2	4.2
	50%	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.4	-3.2	-3.2	-3.2	-3.3	-3.3	-3.2
	10%	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.4	2.4	2.4	2.3	2.2	2.3
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
MAY	MEAN	4.3	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.2	4.2	4.2	4.1	4.1	4.1
	90%	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.2	5.1	5.2	5.1
	50%	-4.4	-4.4	-4.4	-4.4	-4.4	-4.5	-4.4	-4.4	-4.5	-4.3	-4.3	-4.3	-4.2	-4.1	-4.1
	10%	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.0	3.1	3.1
	N	42	42	42	42	42	41	42	42	41	42	42	41	42	42	41
JUN	MEAN	4.9	4.7	4.7	4.7	4.7	4.4	4.7	4.7	4.4	4.7	4.5	4.3	4.6	4.4	4.2
	90%	6.5	5.7	5.7	5.7	5.7	5.4	5.7	5.7	5.4	5.7	5.4	5.1	5.6	5.4	5.0
	50%	-4.2	-4.8	-4.8	-4.8	-4.8	-4.7	-4.8	-4.8	-4.7	-4.7	-4.7	-4.5	-4.7	-4.5	-4.5
	10%	3.5	3.4	3.4	3.4	3.4	3.2	3.4	3.4	3.2	3.3	3.2	2.9	3.2	3.1	2.8
	N	42	34	34	34	33	25	34	33	25	33	28	22	33	28	22
JUL	MEAN	6.5	4.2	4.2	4.2	4.5	4.1	4.2	4.3	4.1	4.0	4.1	3.8	3.9	4.0	3.7
	90%	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-6.2	-4.4	-4.4	-4.4	-4.4	-4.2	-4.4	-4.4	-4.2	-3.2	-4.0	-3.6	-3.2	-4.0	-3.5
	10%	3.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	38	9	9	9	9	7	9	9	7	8	8	5	8	6	5
AUG	MEAN	6.4	4.8	4.8	4.8	4.9	5.0	4.8	4.9	5.0	4.7	4.8	4.8	4.7	4.7	4.8
	90%	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-6.2	-2.1	-2.1	-2.1	-2.1	-2.2	-2.1	-2.1	-2.2	-4.8	-4.8	-4.8	-4.8	-4.8	-4.8
	10%	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	21	3	3	3	3	3	3	3	3	3	3	2	3	3	2
SEP	MEAN	7.1	5.4	5.4	5.4	4.9	5.0	5.4	4.9	5.0	4.8	4.8	5.5	4.7	4.8	5.4
	90%	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-6.2	-2.2	-2.2	-2.2	-4.2	-5.0	-5.2	-4.2	-5.0	-4.8	-4.8	-5.5	-4.7	-4.8	-5.4
	10%	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	21	3	3	3	2	2	3	2	2	2	2	1	2	2	1
OCT	MEAN	6.1	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6	6.6	6.6	6.6
	90%	6.5	9.0	9.0	9.0	8.8	8.3	9.0	8.8	8.3	8.6	8.5	8.1	8.6	8.5	8.1
	50%	-6.2	-6.4	-6.4	-6.4	-6.4	-6.2	-6.4	-6.4	-6.2	-6.2	-6.2	-6.4	-6.2	-6.2	-6.4
	10%	5.4	5.7	5.7	5.7	5.7	5.8	5.7	5.7	5.8	5.7	5.7	5.8	5.6	5.7	5.8
	N	35	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV	MEAN	5.4	5.7	5.7	5.7	5.9	6.0	5.7	5.9	6.0	5.5	5.7	5.9	5.4	5.6	5.8
	90%	6.1	6.4	6.4	6.4	6.6	6.7	6.4	6.6	6.7	8.4	8.6	8.3	8.4	8.6	8.3
	50%	-2.2	-2.7	-2.7	-2.7	-2.8	-6.0	-2.7	-2.8	-6.0	-2.2	-2.4	-2.6	-2.0	-2.2	-2.4
	10%	4.8	5.0	5.0	5.0	5.1	5.3	5.0	5.1	5.3	4.2	4.3	4.7	4.1	4.2	4.6
	N	40	40	40	40	42	42	40	42	42	40	42	42	40	42	42
DEC	MEAN	6.8	7.3	7.3	7.3	7.3	7.2	7.3	7.3	7.2	7.3	7.2	7.1	7.3	7.2	7.0
	90%	10.4	9.8	9.8	9.8	9.6	9.1	9.8	9.6	9.1	9.3	9.1	8.7	9.3	9.1	8.7
	50%	-2.4	-6.0	-6.0	-6.0	-6.0	-7.1	-6.0	-6.0	-7.1	-8.8	-7.7	-6.8	-8.8	-7.7	-6.8
	10%	4.6	5.3	5.3	5.3	5.4	5.8	5.3	5.4	5.8	4.1	4.4	4.8	3.9	4.1	4.6
	N	19	33	33	33	33	42	33	33	42	27	30	35	27	30	35

STATION 7

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	5.6	5.6	5.6	6.4	5.6	5.6
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	5.0	5.0	5.0	6.4	5.0	5.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2
FEB MEAN	5.4	5.4	5.4	5.7	5.4	5.4
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	5.1	5.1	5.1	5.0	5.1	5.1
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	6	6	6	5	6	6
MAR MEAN	5.4	5.6	5.6	5.8	5.5	5.6
90%	4.3	5.8	5.8	4.9	5.4	5.4
50%	3.1	3.2	3.2	3.4	3.2	3.2
10%	2.0	2.0	2.0	2.7	2.0	2.0
N	37	38	38	38	38	38
APR MEAN	5.4	5.4	5.4	5.4	5.4	5.4
90%	4.7	4.7	4.7	4.3	4.7	4.7
50%	3.4	3.4	3.4	3.4	3.4	3.4
10%	2.1	2.1	2.1	2.4	2.1	2.1
N	42	42	42	42	42	42
MAY MEAN	4.3	4.3	4.3	4.2	4.3	4.3
90%	5.1	5.1	5.1	5.1	5.1	5.1
50%	3.2	3.2	3.2	3.2	3.2	3.2
10%	3.2	3.2	3.2	3.2	3.2	3.2
N	42	42	42	42	42	42
JUN MEAN	4.9	4.9	4.9	5.0	4.9	4.9
90%	6.5	6.5	6.5	6.3	6.5	6.5
50%	3.2	3.2	3.2	3.2	3.2	3.2
10%	3.5	3.5	3.5	3.3	3.5	3.5
N	42	42	42	42	42	42
JUL MEAN	6.3	6.3	6.3	6.1	6.3	6.3
90%	10.4	10.4	10.4	10.0	10.4	10.4
50%	6.2	6.2	6.2	6.1	6.2	6.2
10%	3.9	3.9	3.9	3.6	3.9	3.9
N	38	38	38	38	38	38
AUG MEAN	6.4	6.4	6.4	6.3	6.4	6.4
90%	9.5	9.5	9.5	9.2	9.5	9.5
50%	6.4	6.4	6.4	5.8	6.4	6.4
10%	4.8	4.8	4.8	4.4	4.8	4.8
N	21	21	21	20	21	21
SEP MEAN	7.1	7.1	7.1	7.2	7.1	7.1
90%	9.9	9.9	9.9	9.9	9.9	9.9
50%	6.2	6.2	6.2	6.2	6.2	6.2
10%	5.1	5.1	5.1	5.2	5.1	5.1
N	21	21	21	21	21	21
OCT MEAN	6.1	6.1	6.1	6.1	6.1	6.1
90%	6.6	6.6	6.6	6.7	6.6	6.6
50%	6.2	6.2	6.2	6.0	6.2	6.2
10%	5.4	5.4	5.4	5.5	5.4	5.4
N	35	35	35	35	35	35
NOV MEAN	5.4	5.4	5.4	5.1	5.4	5.4
90%	6.1	6.1	6.1	9.3	6.1	6.1
50%	3.2	3.2	3.2	3.5	3.2	3.2
10%	4.8	4.8	4.8	3.4	4.8	4.8
N	40	40	40	37	40	40
DEC MEAN	6.8	6.8	6.8	5.7	6.8	6.8
90%	10.4	10.4	10.4	10.1	10.4	10.4
50%	3.4	3.4	3.4	4.4	3.4	3.4
10%	4.6	4.6	4.6	2.3	4.6	4.6
N	19	19	19	13	19	19

STATION 7

SCENARIO SUMMARY LISTING FOR SAR

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN	MEAN	5.6	6.7	6.7	6.7	7.2	7.4	7.4
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-2.2	-2.2	-2.2	-2.2	-2.7	-2.7	-2.7
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	2	4	4	4	4	3	3
FEB	MEAN	5.4	6.2	6.2	6.2	6.4	5.9	5.9
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-2.1	-2.2	-2.2	-2.2	-2.8	-2.0	-2.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	6	7	7	7	7	5	5
MAR	MEAN	3.4	3.4	3.4	3.4	3.4	3.6	3.6
	90%	5.1	4.9	4.9	4.9	4.9	4.7	4.7
	50%	-3.2	-3.2	-3.2	-3.2	-3.2	-3.4	-3.4
	10%	2.0	2.0	2.0	2.0	2.0	2.7	2.7
	N	38	37	37	37	37	37	37
APR	MEAN	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	90%	4.7	4.8	4.8	4.7	4.8	4.3	4.4
	50%	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2	-3.2
	10%	2.1	2.1	2.1	2.1	2.1	2.4	2.4
	N	42	42	42	42	42	42	42
MAY	MEAN	4.3	4.4	4.4	4.4	4.4	4.2	4.2
	90%	5.1	5.2	5.2	5.2	5.3	5.2	5.2
	50%	-4.2	-4.2	-4.2	-4.2	-4.2	-4.2	-4.2
	10%	3.2	3.3	3.3	3.3	3.3	3.2	3.2
	N	42	42	42	42	42	42	42
JUN	MEAN	4.9	4.7	4.7	4.7	4.9	4.7	4.6
	90%	6.5	5.7	5.7	5.7	6.0	5.7	5.7
	50%	-4.2	-4.2	-4.2	-4.2	-4.2	-4.7	-4.7
	10%	3.5	3.4	3.4	3.4	3.4	3.3	3.3
	N	42	34	34	34	34	33	34
JUL	MEAN	6.3	4.2	4.2	4.2	4.4	4.0	4.0
	90%	10.4	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-6.2	-4.2	-4.2	-4.2	-4.2	-3.2	-3.2
	10%	3.9	0.0	0.0	0.0	0.0	0.0	0.0
	N	38	9	9	9	9	8	8
AUG	MEAN	6.4	4.8	4.8	4.8	5.1	4.7	4.7
	90%	9.5	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-6.2	-2.1	-2.1	-2.1	-2.2	-4.8	-4.8
	10%	4.8	0.0	0.0	0.0	0.0	0.0	0.0
	N	21	3	3	3	3	3	3
SEP	MEAN	7.1	5.4	5.4	5.4	5.7	4.8	4.8
	90%	9.9	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-6.2	-2.2	-2.2	-2.2	-2.2	-4.8	-4.8
	10%	5.1	0.0	0.0	0.0	0.0	0.0	0.0
	N	21	3	3	3	3	2	2
OCT	MEAN	6.1	6.7	6.7	6.7	7.2	6.6	6.6
	90%	6.6	9.0	9.0	9.0	10.1	8.6	8.6
	50%	-6.2	-6.2	-6.2	-6.2	-6.7	-6.2	-6.2
	10%	5.4	5.7	5.7	5.7	5.9	5.7	5.7
	N	35	42	42	42	42	42	42
NOV	MEAN	5.4	5.7	5.7	5.7	6.2	5.5	5.5
	90%	6.1	6.4	6.4	6.4	7.0	8.4	8.4
	50%	-2.1	-2.7	-2.7	-2.7	-6.2	-2.2	-2.2
	10%	4.8	5.0	5.0	5.0	5.4	4.2	4.2
	N	40	40	40	40	40	40	40
DEC	MEAN	6.0	7.3	7.3	7.3	7.9	7.3	7.3
	90%	10.4	9.8	9.8	9.8	10.3	9.3	9.3
	50%	-2.2	-6.0	-6.0	-6.0	-6.8	-8.8	-8.8
	10%	4.6	5.3	5.3	5.3	5.8	4.1	4.1
	N	19	33	33	33	33	27	27

STATION 8

SCENARIO SUMMARY LISTING FOR SAR

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	6.9	7.2	6.0	6.1	6.2	6.4	6.3	6.4	6.5	6.3	6.4	6.5	6.3	6.4	6.5
	90%	7.5	7.5	6.8	6.9	6.9	6.9	7.0	7.2	7.2	7.0	7.1	7.2	7.0	7.1	7.2
	50%	-1.2	-1.2	-6.2	-6.3	-6.4	-6.5	-6.4	-6.5	-6.6	-6.4	-6.5	-6.6	-6.4	-6.5	-6.6
	10%	5.5	6.3	5.0	5.2	5.3	5.6	5.3	5.4	5.7	5.4	5.5	5.8	5.4	5.5	5.8
	N	37	42	42	42	42	42	42	42	42	42	42	42	42	42	42
FEB	MEAN	6.3	6.6	5.8	5.9	6.0	6.1	6.0	6.1	6.2	6.0	6.1	6.3	6.0	6.1	6.2
	90%	7.5	7.5	6.7	6.7	6.8	6.9	6.9	7.0	7.1	6.9	7.0	7.0	6.9	7.0	7.0
	50%	-6.3	-6.2	-6.0	-6.1	-6.2	-6.3	-6.1	-6.2	-6.4	-6.1	-6.2	-6.4	-6.1	-6.2	-6.4
	10%	4.5	5.2	4.3	4.5	4.7	4.9	4.7	4.7	5.0	4.7	4.8	5.0	4.7	4.8	5.0
	N	34	41	42	42	42	42	42	42	42	42	42	42	42	42	42
MAR	MEAN	3.5	3.5	3.9	3.9	4.0	3.8	3.9	4.0	3.8	4.2	4.2	4.1	4.1	4.1	4.0
	90%	5.6	5.2	5.2	5.2	5.6	5.2	5.2	5.6	5.2	5.5	5.6	5.2	5.5	5.6	5.2
	50%	-3.2	-3.2	-3.7	-3.7	-3.7	-3.5	-3.7	-3.7	-3.5	-3.2	-3.2	-3.2	-3.7	-3.7	-3.8
	10%	2.4	2.4	2.8	2.7	2.7	2.7	2.7	2.7	3.2	3.2	3.2	3.2	3.0	3.0	3.0
	N	41	34	30	30	28	24	30	28	24	27	26	23	27	26	23
APR	MEAN	3.7	3.7	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1
	90%	5.0	5.1	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.1	5.1	5.1	5.0	5.0	5.1
	50%	-3.7	-3.8	-4.1	-4.1	-4.1	-4.1	-4.1	-4.2	-4.2	-4.2	-4.3	-4.3	-4.2	-4.2	-4.2
	10%	2.3	2.3	2.8	3.0	3.0	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.1	3.2	3.2
	N	42	41	42	42	41	41	42	41	41	41	41	41	41	41	41
MAY	MEAN	4.5	4.6	4.8	4.8	4.9	5.0	4.9	4.9	5.0	4.9	4.9	4.9	4.8	4.8	4.5
	90%	5.1	5.3	5.5	5.5	5.5	5.6	5.5	5.5	5.6	5.6	5.6	5.7	5.6	5.6	5.7
	50%	-4.6	-4.6	-5.0	-5.1	-5.1	-5.2	-5.1	-5.1	-5.2	-5.0	-5.0	-5.1	-5.0	-5.0	-5.0
	10%	3.3	3.4	3.6	3.6	3.6	3.6	3.7	3.7	3.8	3.7	3.8	3.9	3.6	3.7	3.8
	N	42	41	41	41	41	39	41	41	39	41	41	38	41	41	38
JUN	MEAN	4.8	4.9	5.2	5.2	5.3	5.3	5.2	5.3	5.3	5.3	5.4	5.4	5.3	5.3	5.4
	90%	5.6	5.7	6.0	6.0	6.1	6.1	6.1	6.1	6.2	6.1	6.2	6.2	6.1	6.2	6.2
	50%	-4.8	-5.0	-5.4	-5.4	-5.4	-5.5	-5.4	-5.5	-5.5	-5.5	-5.6	-5.6	-5.5	-5.5	-5.6
	10%	3.7	3.8	4.3	4.3	4.3	4.1	4.3	4.3	4.1	4.3	4.3	4.1	4.2	4.2	4.1
	N	42	36	37	37	37	30	37	37	30	36	35	29	36	35	29
JUL	MEAN	5.1	5.4	5.3	5.4	5.4	5.4	5.4	5.5	5.4	5.5	5.5	5.5	5.5	5.5	5.4
	90%	6.0	6.4	6.1	6.2	6.3	6.3	6.2	6.3	6.4	6.3	6.4	6.4	6.3	6.4	6.4
	50%	-5.3	-5.2	-5.5	-5.5	-5.6	-5.6	-5.6	-5.7	-5.7	-5.6	-5.7	-5.6	-5.6	-5.7	-5.6
	10%	3.9	4.0	4.2	4.2	4.2	3.8	4.3	4.2	3.7	4.3	4.4	3.8	4.3	4.3	3.7
	N	42	22	23	23	22	12	24	22	11	24	21	11	24	21	11
AUG	MEAN	5.3	6.0	5.8	5.9	6.1	6.3	6.0	6.1	6.4	6.0	6.2	6.4	6.0	6.2	6.4
	90%	6.5	7.0	6.6	6.7	7.0	0.0	6.8	7.1	0.0	6.8	7.1	0.0	6.8	7.1	0.0
	50%	-5.4	-6.0	-5.7	-5.9	-5.9	-6.1	-5.9	-6.0	-6.1	-5.9	-6.0	-6.2	-5.9	-6.0	-6.2
	10%	4.2	4.8	5.1	5.2	5.4	0.0	5.2	5.4	0.0	5.3	5.7	0.0	5.3	5.7	0.0
	N	42	13	19	20	12	3	20	12	3	20	11	3	20	11	3
SEP	MEAN	5.0	5.5	5.8	5.9	6.0	6.3	6.0	6.0	6.3	6.0	6.0	6.3	6.0	6.0	6.3
	90%	6.2	6.6	6.5	6.6	6.7	0.0	6.6	6.6	0.0	6.6	6.7	0.0	6.6	6.7	0.0
	50%	-4.8	-5.4	-5.7	-5.8	-5.9	-6.3	-5.9	-6.0	-6.4	-6.0	-6.0	-6.4	-6.0	-6.0	-6.4
	10%	4.0	4.7	5.2	5.3	5.4	0.0	5.4	5.4	0.0	5.4	5.5	0.0	5.4	5.5	0.0
	N	42	26	26	26	23	3	26	24	3	26	24	3	26	24	3
OCT	MEAN	5.0	5.4	6.0	6.0	6.1	6.2	6.1	6.1	6.2	6.0	6.1	6.2	6.0	6.1	6.2
	90%	6.0	6.2	6.6	6.6	6.6	6.7	6.6	6.6	6.7	6.7	6.7	6.8	6.6	6.7	6.8
	50%	-4.2	-5.3	-5.9	-5.9	-6.0	-6.1	-5.9	-6.0	-6.1	-5.9	-6.0	-6.1	-5.9	-6.0	-6.1
	10%	4.1	4.8	5.7	5.7	5.7	5.8	5.8	5.8	5.9	5.7	5.7	5.9	5.7	5.7	5.9
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV	MEAN	5.5	5.7	6.0	6.1	6.1	6.2	6.1	6.2	6.3	6.1	6.2	6.3	6.1	6.2	6.2
	90%	6.0	6.1	6.4	6.5	6.5	6.6	6.5	6.6	6.6	6.6	6.7	6.8	6.6	6.7	6.8
	50%	-5.6	-5.8	-6.1	-6.1	-6.1	-6.2	-6.1	-6.2	-6.2	-6.1	-6.2	-6.2	-6.1	-6.1	-6.2
	10%	4.8	5.0	5.5	5.5	5.6	5.7	5.5	5.6	5.8	5.6	5.7	5.8	5.6	5.7	5.8
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
DEC	MEAN	6.0	6.4	6.3	6.4	6.4	6.5	6.4	6.5	6.6	6.4	6.5	6.5	6.4	6.5	6.5
	90%	6.8	7.1	7.0	7.0	7.1	7.1	7.1	7.2	7.2	6.9	7.1	7.1	6.9	7.1	7.1
	50%	-6.1	-6.4	-6.4	-6.4	-6.5	-6.6	-6.4	-6.5	-6.6	-6.5	-6.5	-6.6	-6.5	-6.5	-6.6
	10%	5.1	5.6	5.6	5.7	5.8	5.9	5.8	5.9	6.0	5.7	5.9	6.0	5.7	5.9	6.0
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42

STATION 8

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	6.9	5.7	5.9	5.9	5.9	6.0
90%	7.5	6.7	6.8	6.8	6.8	6.9
50%	7.2	6.0	6.1	6.1	6.1	6.2
10%	5.6	4.3	4.6	4.7	4.6	4.5
N	37	42	42	42	42	42
FEB MEAN	6.3	5.5	5.7	5.8	5.7	5.8
90%	7.5	6.5	6.8	6.8	6.8	6.8
50%	6.1	5.2	6.0	6.0	6.0	6.0
10%	4.6	3.9	4.1	4.2	4.1	4.1
N	34	42	42	42	42	42
MAR MEAN	3.5	4.2	4.2	4.4	4.2	4.2
90%	5.4	5.7	5.8	5.2	5.5	5.6
50%	3.2	3.1	3.1	3.4	3.1	3.1
10%	2.4	3.0	2.9	3.3	2.9	2.9
N	37	42	42	39	42	42
APR MEAN	3.7	4.1	4.2	4.2	4.2	4.2
90%	5.1	5.3	5.4	5.0	5.4	5.4
50%	3.8	3.1	3.1	3.2	3.1	3.1
10%	2.3	3.0	3.0	3.2	3.0	3.1
N	42	42	42	42	42	42
MAY MEAN	4.5	4.7	4.8	4.7	4.8	4.8
90%	5.2	5.4	5.4	5.4	5.4	5.4
50%	4.7	5.0	5.0	4.9	5.0	5.0
10%	3.3	3.5	3.7	3.6	3.7	3.6
N	42	42	42	41	42	42
JUN MEAN	4.8	5.1	5.1	5.2	5.1	5.1
90%	5.5	5.8	5.9	6.0	5.9	6.0
50%	4.2	5.2	5.2	5.2	5.2	5.2
10%	3.7	4.3	4.3	4.3	4.3	4.3
N	42	42	42	42	42	42
JUL MEAN	5.2	5.3	5.3	5.3	5.3	5.4
90%	6.1	6.0	6.0	6.0	6.0	6.1
50%	3.2	3.4	3.2	3.2	3.2	3.2
10%	3.9	4.2	4.3	4.1	4.3	4.3
N	42	42	42	42	42	42
AUG MEAN	5.3	5.3	5.4	5.4	5.4	5.5
90%	6.5	6.3	6.4	6.4	6.4	6.7
50%	5.4	5.2	5.3	5.2	5.3	5.3
10%	4.2	4.6	4.7	4.7	4.7	4.7
N	42	42	42	42	42	42
SEP MEAN	5.0	5.5	5.6	5.5	5.6	5.6
90%	6.3	6.3	6.3	6.3	6.3	6.4
50%	4.2	5.2	5.6	5.5	5.6	5.6
10%	4.1	4.7	4.8	4.8	4.8	4.9
N	42	42	42	42	42	42
OCT MEAN	5.0	5.7	5.8	5.7	5.8	5.8
90%	6.1	6.3	6.3	6.4	6.3	6.5
50%	4.2	5.6	5.7	5.6	5.7	5.7
10%	4.1	5.3	5.3	5.3	5.3	5.4
N	42	41	41	41	41	41
NOV MEAN	5.5	5.9	6.0	6.0	6.0	6.0
90%	6.0	6.4	6.4	6.5	6.4	6.5
50%	5.6	6.0	6.0	6.0	6.0	6.0
10%	4.9	5.4	5.4	5.4	5.4	5.4
N	42	42	42	42	42	42
DEC MEAN	6.0	6.1	6.2	6.1	6.2	6.2
90%	6.8	6.6	6.7	6.7	6.7	6.9
50%	6.1	6.2	6.2	6.4	6.3	6.4
10%	5.1	4.9	5.3	5.0	5.3	5.4
N	42	42	42	42	42	42

STATION 2 SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN MEAN	6.9	7.2	6.0	6.1	7.3	6.3	6.1
90%	7.5	7.5	6.8	6.9	8.2	7.0	6.9
50%	-7.2	-7.2	-6.2	-6.2	-7.4	-6.4	-6.2
10%	5.6	6.3	5.0	5.2	6.2	5.4	5.0
N	37	42	42	42	42	42	42
FEB MEAN	6.3	6.6	5.8	5.9	6.8	6.0	5.8
90%	7.5	7.5	6.7	6.7	7.9	6.9	6.8
50%	-6.2	-6.2	-6.0	-6.1	-6.8	-6.1	-6.0
10%	4.5	5.2	4.3	4.5	5.3	4.7	4.3
N	34	41	42	42	42	42	42
MAR MEAN	3.5	3.5	3.9	3.9	4.0	4.2	4.2
90%	5.6	5.2	5.2	5.2	5.6	5.5	5.5
50%	-3.2	-3.2	-3.7	-3.7	-3.8	-3.2	-3.2
10%	2.4	2.4	2.8	2.7	2.8	3.2	3.2
N	41	34	30	30	30	27	27
APR MEAN	3.7	3.7	4.1	4.2	4.2	4.2	4.1
90%	5.0	5.1	5.4	5.4	5.4	5.1	5.0
50%	-3.7	-3.8	-4.1	-4.1	-4.2	-4.2	-4.2
10%	2.3	2.3	2.8	3.0	3.0	3.2	3.1
N	42	41	42	42	42	41	41
MAY MEAN	4.5	4.6	4.8	4.8	5.0	4.9	4.8
90%	5.1	5.3	5.5	5.5	5.7	5.6	5.5
50%	-4.6	-4.8	-5.0	-5.1	-5.2	-5.0	-4.9
10%	3.3	3.4	3.6	3.6	3.6	3.7	3.7
N	42	41	41	41	41	41	41
JUN MEAN	4.8	4.9	5.2	5.2	5.4	5.3	5.2
90%	5.6	5.7	6.0	6.0	6.3	6.1	6.0
50%	-4.8	-5.0	-5.4	-5.4	-5.6	-5.5	-5.4
10%	3.7	3.8	4.3	4.3	4.4	4.3	4.3
N	42	36	37	37	37	36	36
JUL MEAN	5.1	5.4	5.3	5.4	5.6	5.5	5.3
90%	6.0	6.4	6.1	6.2	6.5	6.3	6.2
50%	-5.2	-5.5	-5.5	-5.5	-5.8	-5.6	-5.5
10%	3.9	4.0	4.2	4.2	4.4	4.3	4.3
N	42	22	23	23	23	24	23
AUG MEAN	5.3	6.0	5.8	5.9	6.6	6.0	5.8
90%	6.5	7.0	6.6	6.7	7.5	6.8	6.7
50%	-5.4	-6.0	-5.7	-5.7	-6.5	-5.9	-5.7
10%	4.2	4.8	5.1	5.2	5.9	5.3	5.0
N	42	13	19	20	20	20	19
SEP MEAN	5.0	5.5	5.8	5.9	6.7	6.0	5.8
90%	6.2	6.6	6.5	6.6	7.7	6.6	6.5
50%	-4.8	-5.4	-5.7	-5.8	-6.6	-6.0	-5.7
10%	4.0	4.7	5.2	5.3	6.0	5.4	5.2
N	42	26	26	26	26	26	26
OCT MEAN	5.0	5.4	6.0	6.0	6.6	6.0	6.0
90%	6.0	6.2	6.6	6.6	7.4	6.7	6.6
50%	-4.9	-5.2	-5.9	-5.9	-6.4	-5.9	-5.8
10%	4.1	4.8	5.7	5.7	6.0	5.7	5.7
N	42	42	42	42	42	42	42
NOV MEAN	5.5	5.7	6.0	6.1	6.7	6.1	6.1
90%	6.0	6.1	6.4	6.5	7.6	6.6	6.5
50%	-5.6	-5.8	-6.1	-6.1	-6.4	-6.1	-6.1
10%	4.8	5.0	5.5	5.5	5.9	5.6	5.5
N	42	42	42	42	42	42	42
DEC MEAN	6.0	6.4	6.3	6.4	7.2	6.4	6.3
90%	6.8	7.1	7.0	7.0	8.2	6.9	6.8
50%	-6.1	-6.4	-6.4	-6.4	-6.9	-6.5	-6.4
10%	5.1	5.6	5.6	5.7	6.4	5.7	5.6
N	42	42	42	42	42	42	42

STATION 9

SCENARIO SUMMARY LISTING FOR SAR

MO	YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN	MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB	MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR	MEAN	6.9	8.7	8.7	8.5	8.7	8.8	8.5	8.7	8.8	8.5	8.8	8.8	6.9	6.9	6.5
	90%	8.0	15.5	15.5	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	7.7	7.7	7.7
	50%	-6.8	-1.5	-1.5	-6.8	-6.8	-6.8	-6.8	-6.8	-6.8	-6.8	-6.8	-6.8	-6.8	-6.8	-6.8
	10%	6.3	6.5	6.5	6.5	6.6	6.7	6.5	6.6	6.7	6.5	6.7	6.7	6.3	6.3	6.3
	N	28	22	22	27	27	27	27	27	27	27	27	27	27	27	27
APR	MEAN	6.9	7.3	7.3	6.9	6.9	6.9	6.9	6.9	6.9	8.4	8.4	8.4	6.9	6.9	6.5
	90%	7.9	8.7	8.7	7.9	7.9	7.9	7.9	7.9	7.9	11.2	11.2	11.2	7.9	7.9	7.5
	50%	-6.8	-1.5	-1.5	-6.8	-6.8	-6.8	-6.8	-6.8	-6.8	-1.1	-1.1	-1.1	-6.8	-6.8	-6.8
	10%	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	N	35	32	32	35	35	35	35	35	35	35	35	35	35	35	35
MAY	MEAN	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	8.7	8.6	8.6	7.7	7.7	7.7
	90%	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	10.1	9.9	9.9	8.2	8.2	8.2
	50%	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.6	-8.5	-8.5	-1.8	-1.8	-1.8
	10%	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.1	7.1	7.1
	N	28	28	28	28	28	28	28	28	28	21	21	21	21	21	21
JUN	MEAN	7.8	7.7	7.7	7.8	7.8	7.8	7.8	7.8	7.8	8.2	8.3	8.3	7.7	7.7	7.7
	90%	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	9.6	9.9	9.9	8.4	8.4	8.4
	50%	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-8.4	-8.5	-8.5	-1.9	-1.9	-1.9
	10%	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
	N	21	20	20	21	21	21	21	21	21	20	20	20	20	20	20
JUL	MEAN	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.5	8.6	8.6	8.1	8.1	8.1
	90%	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	9.3	9.5	9.5	8.5	8.5	8.5
	50%	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.5	-8.5	-8.5	-8.1	-8.1	-8.1
	10%	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.4	7.4	7.4	7.3	7.3	7.3
	N	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
AUG	MEAN	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.4	8.5	8.5	8.0	8.0	8.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.1	-8.4	-8.5	-8.5	-8.1	-8.1	-8.1
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
SEP	MEAN	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
OCT	MEAN	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	9.3	9.2	9.2	8.3	8.4	8.4
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-8.4	-8.4	-8.4	-8.4	-8.4	-8.4	-8.4	-8.4	-8.4	-9.2	-9.2	-9.2	-8.3	-8.4	-8.4
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	2	2	2	2	2	2	2	2	2	1	2	2	1	2	2
NOV	MEAN	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.8	8.9	8.9	8.3	8.3	8.3
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-8.3	-8.3	-8.3	-8.3	-8.3	-8.3	-8.3	-8.3	-8.3	-8.8	-8.9	-8.9	-8.3	-8.3	-8.3
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
DEC	MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 9		SCENARIO SUMMARY LISTING FOR SAR					
MO	YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0
FEB	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0
MAR	MEAN	8.7	8.5	8.5	8.5	6.9	6.9
	90%	15.5	10.9	10.9	10.9	7.7	7.7
	50%	-1.4	-8.0	-8.0	-8.1	-6.8	-6.8
	10%	6.5	6.5	6.5	6.5	6.3	6.3
	N	22	27	27	27	27	27
APR	MEAN	7.3	6.9	6.9	8.4	6.9	6.9
	90%	8.7	7.9	7.9	11.2	7.9	7.9
	50%	-1.2	-6.8	-6.8	-1.1	-6.8	-6.8
	10%	6.0	6.0	6.0	6.0	6.0	6.0
	N	32	35	35	35	35	35
MAY	MEAN	7.9	7.9	7.9	8.7	7.9	7.9
	90%	8.5	8.5	8.5	10.1	8.5	8.5
	50%	-8.1	-8.1	-8.1	-8.6	-8.1	-8.1
	10%	7.2	7.2	7.2	7.3	7.2	7.2
	N	28	28	28	21	28	28
JUN	MEAN	7.7	7.8	7.6	8.2	7.8	7.8
	90%	8.4	8.4	8.4	9.6	8.4	8.4
	50%	-1.2	-1.2	-1.2	-8.5	-1.2	-1.2
	10%	6.8	6.8	6.8	6.8	6.8	6.8
	N	20	21	21	20	21	21
JUL	MEAN	8.1	8.1	8.1	8.5	8.1	8.1
	90%	8.5	8.5	8.5	9.3	8.5	8.5
	50%	-8.1	-8.1	-8.1	-8.5	-8.1	-8.1
	10%	7.3	7.3	7.3	7.4	7.3	7.3
	N	12	12	12	12	12	12
AUG	MEAN	8.0	8.0	8.0	8.4	8.0	8.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-8.1	-8.1	-8.1	-8.5	-8.1	-8.1
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	6	6	6	6	6	6
SEP	MEAN	8.1	8.1	8.1	8.1	8.1	8.1
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	4	4	4	4	4	4
OCT	MEAN	8.4	8.4	8.4	9.3	8.4	8.4
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-8.5	-8.5	-8.5	-9.2	-8.5	-8.5
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	2	2	2	1	2	2
NOV	MEAN	8.3	8.3	8.3	8.8	8.3	8.3
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-8.2	-8.2	-8.2	-8.6	-8.2	-8.2
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	2	2	2	2	2	2
DEC	MEAN	0.0	0.0	0.0	0.0	0.0	0.0
	90%	0.0	0.0	0.0	0.0	0.0	0.0
	50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
	10%	0.0	0.0	0.0	0.0	0.0	0.0
	N	0	0	0	0	0	0

STATION 9

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0
MAR MEAN	6.9	8.7	8.7	8.5	8.5	8.5	8.5
90%	8.0	15.5	15.5	10.9	10.9	10.9	10.9
50%	-6.8	-7.4	-7.4	-8.0	-8.0	-8.1	-8.1
10%	6.3	6.5	6.5	6.5	6.5	6.5	6.5
N	28	22	22	27	27	27	27
APR MEAN	6.9	7.3	7.3	6.9	6.9	8.4	8.4
90%	7.9	8.7	8.7	7.9	7.9	11.2	11.2
50%	-6.8	-7.3	-7.3	-6.8	-6.8	-7.7	-7.7
10%	6.0	6.0	6.0	6.0	6.0	6.0	6.0
N	35	32	32	35	35	35	35
MAY MEAN	7.9	7.9	7.9	7.9	7.9	8.7	8.7
90%	8.5	8.5	8.5	8.5	8.5	10.1	10.1
50%	-8.1	-8.1	-8.1	-8.1	-8.1	-8.6	-8.6
10%	7.2	7.2	7.2	7.2	7.2	7.3	7.3
N	28	28	28	28	28	21	21
JUN MEAN	7.8	7.7	7.7	7.8	7.8	8.2	8.2
90%	8.4	8.4	8.4	8.4	8.4	9.6	9.6
50%	-7.9	-7.9	-7.9	-7.9	-7.9	-8.4	-8.4
10%	6.8	6.8	6.8	6.8	6.8	6.8	6.8
N	21	20	20	21	21	20	20
JUL MEAN	8.1	8.1	8.1	8.1	8.1	8.5	8.5
90%	8.5	8.5	8.5	8.5	8.5	9.3	9.3
50%	-8.1	-8.1	-8.1	-8.1	-8.1	-8.5	-8.5
10%	7.3	7.3	7.3	7.3	7.3	7.4	7.4
N	12	12	12	12	12	12	12
AUG MEAN	8.0	8.0	8.0	8.0	8.0	8.4	8.4
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-8.1	-8.1	-8.1	-8.1	-8.1	-8.4	-8.4
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	6	6	6	6	6	6	6
SEP MEAN	8.1	8.1	8.1	8.1	8.1	8.1	8.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0	-8.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	4	4	4	4	4
OCT MEAN	8.4	8.4	8.4	8.4	8.4	9.3	9.3
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-8.4	-8.4	-8.4	-8.4	-8.4	-9.3	-9.3
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	1	1
NOV MEAN	8.3	8.3	8.3	8.3	8.3	8.8	8.8
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-8.3	-8.3	-8.3	-8.3	-8.3	-8.8	-8.8
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0

STATION 10

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAR MEAN	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.5	7.5	7.5	6.7	6.7	6.7
90%	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	9.6	9.6	9.6	7.3	7.3	7.3
50%	-6.7	-6.7	-6.7	-6.7	-6.7	-6.7	-6.7	-6.7	-6.7	-7.1	-7.1	-7.1	-6.7	-6.7	-6.7
10%	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.2	6.2	6.2
N	24	24	24	24	24	24	24	24	24	23	23	23	23	23	23
APR MEAN	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	7.4	7.4	7.4	6.5	6.5	6.5
90%	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	10.0	10.0	10.0	7.1	7.1	7.1
50%	-6.6	-6.6	-6.6	-6.6	-6.6	-6.6	-6.6	-6.6	-6.6	-7.0	-7.0	-7.0	-6.5	-6.5	-6.5
10%	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.0	5.9	5.9	5.9
N	26	26	26	26	26	26	26	26	26	23	23	23	23	23	23
MAY MEAN	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.5	7.5	7.5	7.3	7.3	7.3
90%	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.8	7.8	7.8	7.5	7.5	7.5
50%	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.7	-7.7	-7.7	-7.3	-7.3	-7.3
10%	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.1	7.0	7.0	7.0
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
JUN MEAN	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.3	7.3	7.3	7.1	7.1	7.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-7.1	-7.1	-7.1	-7.1	-7.1	-7.1	-7.1	-7.1	-7.1	-7.3	-7.3	-7.3	-7.1	-7.1	-7.1
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
JUL MEAN	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
AUG MEAN	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SEP MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STATION 10

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
MAR MEAN	6.7	6.7	6.7	7.5	6.7	6.7
90%	7.3	7.3	7.3	9.6	7.3	7.3
50%	6.7	6.7	6.7	7.5	6.7	6.7
10%	6.2	6.2	6.2	6.3	6.2	6.2
N	24	24	24	23	24	24
APR MEAN	6.5	6.6	6.6	7.4	6.6	6.6
90%	7.4	7.4	7.4	10.0	7.4	7.4
50%	6.2	6.2	6.2	7.4	6.2	6.2
10%	5.9	5.9	5.9	6.0	5.9	5.9
N	26	26	26	23	26	26
MAY MEAN	7.3	7.3	7.3	7.5	7.3	7.3
90%	7.5	7.5	7.5	7.8	7.5	7.5
50%	7.3	7.3	7.3	7.5	7.3	7.3
10%	7.0	7.0	7.0	7.1	7.0	7.0
N	10	10	10	10	10	10
JUN MEAN	7.1	7.1	7.1	7.3	7.1	7.1
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	7.1	7.1	7.1	7.3	7.1	7.1
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7
JUL MEAN	7.3	7.3	7.3	7.3	7.3	7.3
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	7.3	7.3	7.3	7.3	7.3	7.3
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2
AUG MEAN	7.3	7.3	7.3	7.3	7.3	7.3
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	7.3	7.3	7.3	7.3	7.3	7.3
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1
SEP MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0

STATION 10

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0
MAR MEAN	6.7	6.7	6.7	6.7	6.7	7.5	7.5
90%	7.3	7.3	7.3	7.3	7.3	9.6	9.6
50%	-6.1	-6.1	-6.1	-6.1	-6.1	-7.1	-7.1
10%	6.2	6.2	6.2	6.2	6.2	6.3	6.3
N	24	24	24	24	24	23	23
APR MEAN	6.6	6.6	6.6	6.6	6.6	7.4	7.4
90%	7.4	7.4	7.4	7.4	7.4	10.0	10.0
50%	-6.2	-6.2	-6.2	-6.2	-6.2	-7.0	-7.0
10%	5.9	5.9	5.9	5.9	5.9	6.0	6.0
N	26	26	26	26	26	23	23
MAY MEAN	7.3	7.3	7.3	7.3	7.3	7.5	7.5
90%	7.5	7.5	7.5	7.5	7.5	7.8	7.8
50%	-7.4	-7.4	-7.4	-7.4	-7.4	-7.1	-7.1
10%	7.0	7.0	7.0	7.0	7.0	7.1	7.1
N	10	10	10	10	10	10	10
JUN MEAN	7.1	7.1	7.1	7.1	7.1	7.3	7.3
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-7.2	-7.2	-7.2	-7.2	-7.2	-7.3	-7.3
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	7	7	7	7	7	7	7
JUL MEAN	7.3	7.3	7.3	7.3	7.3	7.3	7.3
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	2	2	2	2	2	2	2
AUG MEAN	7.3	7.3	7.3	7.3	7.3	7.3	7.3
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3	-7.3
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	1	1	1	1	1	1	1
SEP MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0	0

STATION 11

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
90%	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
50%	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>
10%	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
N	24	25	25	25	28	42	25	28	42	25	28	42	25	28	42
FEB MEAN	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
90%	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
50%	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>
10%	9.2	9.4	9.4	9.4	9.4	9.5	9.4	9.4	9.5	9.4	9.4	9.5	9.4	9.4	9.5
N	13	20	20	20	20	22	20	20	22	20	20	22	20	20	22
MAR MEAN	9.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.0	9.1	9.1
90%	9.4	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
50%	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>
10%	8.8	9.0	9.0	9.0	9.1	9.1	9.0	9.1	9.1	9.0	9.1	9.1	8.9	8.9	8.5
N	42	41	41	41	41	41	41	41	41	41	41	41	41	41	41
APR MEAN	8.9	9.0	9.0	8.9	8.9	8.9	8.9	8.9	8.9	9.0	9.0	9.0	9.0	9.0	9.0
90%	9.1	9.2	9.2	9.1	9.1	9.1	9.1	9.1	9.1	9.2	9.2	9.1	9.1	9.1	9.1
50%	<u>9.0</u>	<u>9.0</u>	<u>9.0</u>	<u>9.0</u>	<u>9.0</u>	<u>9.0</u>	<u>9.0</u>	<u>9.0</u>	<u>9.0</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.0</u>	<u>9.0</u>	<u>9.0</u>
10%	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.8	8.8	8.8	8.7	8.7	8.7
N	42	42	42	42	42	41	42	42	41	42	42	41	42	42	41
MAY MEAN	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.2	9.2	9.1	9.1	9.2	9.1
90%	9.4	9.4	9.4	9.4	9.4	9.3	9.4	9.4	9.3	9.4	9.4	9.3	9.4	9.4	9.3
50%	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>
10%	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	9.0	9.0	9.0	9.0	9.0	9.0
N	42	42	42	42	42	36	42	42	36	42	42	36	42	42	36
JUN MEAN	9.2	9.2	9.2	9.2	9.2	9.1	9.2	9.2	9.1	9.2	9.2	9.1	9.2	9.2	9.1
90%	9.4	9.5	9.5	9.5	9.5	9.3	9.5	9.5	9.3	9.5	9.5	9.3	9.5	9.5	9.3
50%	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.1</u>	<u>9.2</u>	<u>9.2</u>	<u>9.1</u>	<u>9.2</u>	<u>9.2</u>	<u>9.1</u>	<u>9.2</u>	<u>9.2</u>	<u>9.1</u>
10%	8.8	8.9	8.9	8.9	8.9	8.8	8.9	8.9	8.8	8.9	8.9	8.8	8.9	8.9	8.8
N	42	42	42	42	42	23	42	42	23	42	42	23	42	42	23
JUL MEAN	9.2	9.3	9.3	9.3	9.1	9.4	9.3	9.1	9.4	9.3	9.1	9.4	9.3	9.1	9.4
90%	9.4	9.4	9.4	9.4	9.4	0.0	9.4	9.4	0.0	9.4	9.4	0.0	9.4	9.4	0.0
50%	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.1</u>	<u>9.2</u>	<u>9.4</u>	<u>9.4</u>	<u>9.2</u>	<u>9.4</u>	<u>9.4</u>	<u>9.2</u>	<u>9.4</u>	<u>9.4</u>	<u>9.1</u>	<u>9.4</u>
10%	9.0	9.1	9.1	9.1	8.4	0.0	9.1	8.4	0.0	9.1	8.4	0.0	9.1	8.4	0.0
N	42	41	41	41	13	4	41	13	4	41	11	4	41	11	4
AUG MEAN	9.4	9.3	9.3	9.3	9.1	9.4	9.3	9.1	9.4	9.3	9.2	9.5	9.3	9.1	9.4
90%	9.6	9.6	9.6	9.6	0.0	0.0	9.6	0.0	0.0	9.6	0.0	0.0	9.6	0.0	0.0
50%	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>
10%	9.2	8.5	8.5	8.5	0.0	0.0	8.5	0.0	0.0	8.6	0.0	0.0	8.6	0.0	0.0
N	42	15	15	15	6	4	15	6	4	15	6	4	15	6	4
SEP MEAN	9.5	9.5	9.5	9.5	9.3	9.0	9.5	9.3	9.0	9.5	9.3	9.0	9.5	9.3	9.0
90%	9.6	9.7	9.7	9.7	0.0	0.0	9.7	0.0	0.0	9.7	0.0	0.0	9.7	0.0	0.0
50%	<u>9.6</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>	<u>9.2</u>
10%	9.3	9.0	9.0	9.0	0.0	0.0	9.0	0.0	0.0	9.0	0.0	0.0	9.0	0.0	0.0
N	42	17	17	17	7	1	17	7	1	17	7	1	17	7	1
OCT MEAN	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
90%	9.7	9.7	9.7	9.7	9.7	9.6	9.7	9.7	9.6	9.7	9.7	9.6	9.7	9.7	9.6
50%	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>
10%	9.3	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
N	40	42	42	42	42	42	42	42	42	42	42	42	42	42	42
NOV MEAN	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
90%	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
50%	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>
10%	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
N	40	40	40	40	42	42	40	42	42	40	41	42	40	41	42
DEC MEAN	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
90%	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
50%	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>	<u>9.6</u>
10%	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
N	39	39	39	39	41	42	39	41	42	39	41	42	39	41	42

STATION 11

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	9.6	9.6	9.6	9.6	9.6	9.6
90%	9.6	9.6	9.6	9.6	9.6	9.6
50%	9.6	9.6	9.6	9.6	9.6	9.6
10%	9.6	9.6	9.6	9.6	9.6	9.6
N	24	24	24	24	24	24
FEB MEAN	9.5	9.5	9.5	9.5	9.5	9.5
90%	9.6	9.6	9.6	9.6	9.6	9.6
50%	9.6	9.6	9.6	9.6	9.6	9.6
10%	9.2	9.2	9.2	9.2	9.2	9.2
N	13	13	13	13	13	13
MAR MEAN	9.1	9.1	9.1	9.1	9.0	9.1
90%	9.3	9.3	9.3	9.3	9.3	9.3
50%	9.1	9.1	9.1	9.1	9.1	9.1
10%	9.0	9.0	9.0	9.0	8.9	8.9
N	41	41	41	41	41	41
APR MEAN	9.0	8.9	8.9	9.0	8.9	8.9
90%	9.2	9.1	9.1	9.1	9.1	9.1
50%	9.0	9.0	9.0	9.1	9.0	9.0
10%	8.7	8.7	8.7	8.8	8.7	8.7
N	42	42	42	42	42	42
MAY MEAN	9.1	9.1	9.1	9.2	9.1	9.1
90%	9.4	9.4	9.4	9.4	9.4	9.4
50%	9.1	9.1	9.1	9.2	9.1	9.1
10%	8.9	8.9	8.9	9.0	8.9	8.9
N	42	42	42	42	42	42
JUN MEAN	9.2	9.2	9.2	9.2	9.2	9.2
90%	9.4	9.4	9.4	9.4	9.4	9.4
50%	9.2	9.2	9.2	9.2	9.2	9.2
10%	8.8	8.8	8.8	8.9	8.8	8.8
N	42	42	42	42	42	42
JUL MEAN	9.2	9.2	9.2	9.3	9.2	9.2
90%	9.4	9.4	9.4	9.4	9.4	9.4
50%	9.2	9.2	9.2	9.3	9.2	9.2
10%	9.0	9.0	9.0	9.1	9.0	9.0
N	42	42	42	42	42	42
AUG MEAN	9.4	9.4	9.4	9.4	9.4	9.4
90%	9.6	9.6	9.6	9.6	9.6	9.6
50%	9.2	9.2	9.2	9.2	9.2	9.2
10%	9.2	9.2	9.2	9.3	9.2	9.2
N	42	42	42	42	42	42
SEP MEAN	9.5	9.5	9.5	9.5	9.5	9.5
90%	9.6	9.6	9.6	9.6	9.6	9.6
50%	9.6	9.6	9.6	9.6	9.6	9.6
10%	9.3	9.3	9.3	9.3	9.3	9.3
N	42	42	42	42	42	42
OCT MEAN	9.5	9.5	9.5	9.5	9.5	9.5
90%	9.7	9.7	9.7	9.7	9.7	9.7
50%	9.5	9.5	9.5	9.5	9.5	9.5
10%	9.3	9.3	9.3	9.3	9.3	9.3
N	40	40	40	40	40	40
NOV MEAN	9.5	9.5	9.5	9.5	9.5	9.5
90%	9.6	9.6	9.6	9.6	9.6	9.6
50%	9.6	9.6	9.6	9.6	9.6	9.6
10%	9.5	9.5	9.5	9.5	9.5	9.5
N	40	40	40	40	40	40
DEC MEAN	9.6	9.6	9.6	9.6	9.6	9.6
90%	9.6	9.6	9.6	9.6	9.6	9.6
50%	9.6	9.6	9.6	9.6	9.6	9.6
10%	9.6	9.6	9.6	9.6	9.6	9.6
N	39	39	39	39	39	39

STATION 11

SCENARIO SUMMARY LISTING FOR SAR

MT	YEAR	SC-1	SC-2	SC-3	SC-4	SC-4W	SC10	SC10A
JAN	MEAN	9.6	9.6	9.6	9.6	15.6	9.6	9.6
	90%	9.6	9.6	9.6	9.6	15.6	9.6	9.6
	50%	-2.6	-2.6	-2.6	-2.6	15.6	-2.6	-2.6
	10%	9.6	9.6	9.6	9.6	15.6	9.6	9.6
	N	24	25	25	25	25	25	25
FEB	MEAN	9.5	9.5	9.5	9.5	15.0	9.5	9.5
	90%	9.6	9.6	9.6	9.6	15.6	9.6	9.6
	50%	-2.6	-2.6	-2.6	-2.6	15.6	-2.6	-2.6
	10%	9.2	9.4	9.4	9.4	10.1	9.4	9.4
	N	13	20	20	20	20	20	20
MAR	MEAN	9.0	9.1	9.1	9.1	9.2	9.1	9.1
	90%	9.4	9.3	9.3	9.3	9.4	9.3	9.3
	50%	-2.1	-2.1	-2.1	-2.1	-2.2	-2.1	-2.1
	10%	8.3	9.0	9.0	9.0	9.0	9.0	9.0
	N	42	41	41	41	41	41	41
APR	MEAN	8.9	9.0	9.0	8.9	9.0	9.0	9.0
	90%	9.1	9.2	9.2	9.1	9.2	9.2	9.2
	50%	-2.0	-2.0	-2.0	-2.0	-2.0	-2.1	-2.1
	10%	8.7	8.7	8.7	8.7	8.7	8.8	8.8
	N	42	42	42	42	42	42	42
MAY	MEAN	9.1	9.1	9.1	9.1	9.3	9.2	9.2
	90%	9.4	9.4	9.4	9.4	9.7	9.4	9.4
	50%	-2.1	-2.1	-2.1	-2.1	-2.2	-2.2	-2.2
	10%	8.9	8.9	8.9	8.9	9.0	9.0	9.0
	N	42	42	42	42	42	42	42
JUN	MEAN	9.2	9.2	9.2	9.2	9.5	9.2	9.2
	90%	9.4	9.5	9.5	9.5	10.0	9.5	9.5
	50%	-2.2	-2.2	-2.2	-2.2	-2.5	-2.2	-2.2
	10%	8.3	8.9	8.9	8.9	8.9	8.9	8.9
	N	42	42	42	42	42	42	42
JUL	MEAN	9.2	9.3	9.3	9.3	9.9	9.3	9.3
	90%	9.4	9.4	9.4	9.4	10.1	9.4	9.4
	50%	-2.3	-2.4	-2.4	-2.4	10.0	-2.4	-2.4
	10%	9.0	9.1	9.1	9.1	9.6	9.1	9.1
	N	42	41	41	41	41	41	41
AUG	MEAN	9.4	9.3	9.3	9.3	10.3	9.3	9.3
	90%	9.6	9.6	9.6	9.6	11.0	9.6	9.6
	50%	-2.5	-2.5	-2.5	-2.5	10.6	-2.5	-2.5
	10%	9.2	8.5	8.5	8.5	9.2	8.6	8.6
	N	42	15	15	15	15	15	15
SEP	MEAN	9.5	9.5	9.5	9.5	11.3	9.5	9.5
	90%	9.6	9.7	9.7	9.7	15.7	9.7	9.7
	50%	-2.6	-2.5	-2.5	-2.5	10.5	-2.5	-2.5
	10%	9.3	9.0	9.0	9.0	9.3	9.0	9.0
	N	42	17	17	17	17	17	17
OCT	MEAN	9.5	9.5	9.5	9.5	11.6	9.5	9.5
	90%	9.7	9.7	9.7	9.7	15.6	9.7	9.7
	50%	-2.6	-2.6	-2.6	-2.6	10.2	-2.6	-2.6
	10%	9.3	9.4	9.4	9.4	9.7	9.4	9.4
	N	40	42	42	42	42	42	42
NOV	MEAN	9.5	9.5	9.5	9.5	13.0	9.5	9.5
	90%	9.6	9.6	9.6	9.6	15.6	9.6	9.6
	50%	-2.6	-2.6	-2.6	-2.6	15.6	-2.6	-2.6
	10%	9.5	9.5	9.5	9.5	9.7	9.5	9.5
	N	40	40	40	40	40	40	40
DEC	MEAN	9.6	9.6	9.6	9.6	15.2	9.6	9.6
	90%	9.6	9.6	9.6	9.6	15.6	9.6	9.6
	50%	-2.6	-2.6	-2.6	-2.6	15.6	-2.6	-2.6
	10%	9.6	9.6	9.6	9.6	15.6	9.6	9.6
	N	39	39	39	39	39	39	39

STATION 12

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	SC-7	SC-8	SC-9	SC10	SC11	SC12	SC13	SC14	SC15
JAN MEAN	7.9	7.9	7.0	7.0	0.0	0.0	7.1	0.0	0.0	7.1	0.0	0.0	7.1	0.0	0.0
90%	8.6	8.1	7.6	7.7	0.0	0.0	7.7	0.0	0.0	7.7	0.0	0.0	7.7	0.0	0.0
50%	-8.1	-7.2	-7.2	-7.2	-0.0	-0.0	-7.3	-0.0	-0.0	-7.4	-0.0	-0.0	-7.4	-0.0	-0.0
10%	7.0	7.2	5.9	6.0	0.0	0.0	6.2	0.0	0.0	6.1	0.0	0.0	6.1	0.0	0.0
N	41	42	42	42	0	0	42	0	0	42	0	0	42	0	0
FEB MEAN	7.6	7.6	6.9	6.9	0.0	0.0	7.0	0.0	0.0	7.0	0.0	0.0	7.0	0.0	0.0
90%	8.7	8.2	7.7	7.7	0.0	0.0	7.7	0.0	0.0	7.7	0.0	0.0	7.7	0.0	0.0
50%	-7.7	-7.8	-7.2	-7.2	-0.0	-0.0	-7.2	-0.0	-0.0	-7.3	-0.0	-0.0	-7.3	-0.0	-0.0
10%	6.4	6.6	5.9	5.9	0.0	0.0	6.0	0.0	0.0	6.0	0.0	0.0	6.0	0.0	0.0
N	40	42	42	42	0	0	42	0	0	42	0	0	42	0	0
MAR MEAN	5.4	5.3	5.8	5.9	4.2	3.9	5.9	4.3	4.0	6.2	4.5	4.2	6.1	4.5	4.2
90%	8.3	7.5	8.3	8.3	0.0	0.0	8.3	0.0	0.0	8.9	0.0	0.0	8.9	0.0	0.0
50%	-5.0	-5.1	-5.1	-5.4	-4.3	-3.9	-5.4	-4.3	-4.0	-5.2	-4.6	-4.3	-5.2	-4.5	-4.2
10%	3.6	3.6	3.9	4.0	0.0	0.0	4.1	0.0	0.0	4.3	0.0	0.0	4.2	0.0	0.0
N	42	35	35	35	7	3	35	7	3	35	7	3	35	7	3
APR MEAN	4.8	4.9	5.1	5.1	4.7	4.1	5.2	4.8	4.2	5.2	4.7	4.2	5.1	4.7	4.1
90%	6.0	6.1	6.3	6.2	6.1	5.9	6.2	6.1	5.9	6.1	5.9	5.2	6.1	5.9	5.2
50%	-4.2	-5.0	-5.3	-5.3	-4.6	-3.9	-5.3	-4.6	-4.0	-5.4	-4.9	-4.1	-5.3	-4.5	-4.0
10%	3.4	3.4	3.6	3.7	3.4	3.2	3.8	3.5	3.2	3.9	3.6	3.3	3.9	3.5	3.3
N	42	42	42	42	23	12	42	23	11	42	22	11	42	22	11
MAY MEAN	5.7	5.9	6.1	6.1	5.8	5.4	6.1	5.8	5.4	6.1	5.8	5.4	6.1	5.8	5.4
90%	6.0	7.0	7.3	7.3	7.0	6.8	7.3	7.1	6.8	7.5	7.2	6.8	7.5	7.2	6.8
50%	-5.7	-5.2	-6.0	-6.0	-5.2	-5.1	-6.0	-5.7	-5.1	-6.1	-5.4	-5.1	-6.0	-5.4	-5.1
10%	4.7	4.7	4.9	4.8	4.8	4.7	4.9	4.9	4.6	4.9	4.9	4.9	4.9	4.9	4.5
N	42	42	42	42	24	14	42	23	14	42	23	14	42	23	14
JUN MEAN	6.1	6.6	6.7	6.7	6.5	6.5	6.7	6.5	6.5	6.9	6.7	6.6	6.9	6.7	6.6
90%	7.0	8.7	8.7	8.7	8.4	8.2	8.7	8.4	8.1	8.7	8.4	8.2	8.7	8.4	8.2
50%	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.2	-6.7	-6.5	-6.4	-6.7	-6.2	-6.4
10%	5.2	5.3	5.4	5.4	5.4	5.1	5.4	5.4	5.1	5.4	5.4	5.2	5.4	5.4	5.2
N	42	41	41	41	28	14	41	28	14	41	27	14	41	27	14
JUL MEAN	6.5	7.6	7.5	7.5	7.4	7.6	7.5	7.5	7.6	7.5	7.5	7.7	7.5	7.4	7.7
90%	7.6	9.3	8.9	8.9	8.9	9.4	8.9	8.9	9.4	8.9	8.8	9.4	8.9	8.8	9.4
50%	-6.7	-8.4	-7.2	-8.0	-7.8	-8.2	-8.0	-7.8	-8.2	-8.0	-8.1	-8.4	-8.0	-8.1	-8.4
10%	4.8	4.8	5.0	5.0	5.0	4.7	5.0	5.0	4.7	5.0	5.0	4.7	5.0	5.0	4.7
N	42	37	37	37	28	17	37	28	17	37	27	16	37	27	16
AUG MEAN	7.0	8.7	8.5	8.4	8.7	9.2	8.4	8.7	9.2	8.5	8.7	9.2	8.5	8.7	9.2
90%	7.6	9.5	9.2	9.2	9.6	10.2	9.2	9.6	10.2	9.7	9.7	10.2	9.7	9.7	10.2
50%	-7.1	-8.8	-8.7	-8.6	-8.8	-8.8	-8.6	-8.8	-8.8	-8.7	-8.8	-8.8	-8.7	-8.8	-8.8
10%	6.3	7.7	7.5	7.5	7.5	8.7	7.5	7.6	8.7	7.5	7.5	8.7	7.5	7.5	8.7
N	42	33	33	33	27	17	33	27	17	33	25	16	33	25	16
SEP MEAN	6.8	8.1	8.1	8.1	8.1	8.6	8.1	8.1	8.6	8.1	8.1	8.5	8.1	8.1	8.5
90%	7.5	8.8	8.8	8.8	8.8	9.1	8.8	8.8	9.1	8.8	8.8	8.9	8.8	8.8	8.9
50%	-6.7	-8.1	-8.0	-8.0	-8.0	-8.7	-8.0	-8.0	-8.7	-8.0	-7.2	-8.7	-8.0	-7.2	-8.7
10%	6.2	7.0	7.4	7.4	7.4	7.3	7.4	7.4	7.3	7.4	7.4	7.2	7.4	7.4	7.2
N	42	38	38	38	29	17	38	29	17	38	27	16	38	27	16
OCT MEAN	6.7	6.8	7.3	7.3	0.0	0.0	7.3	0.0	0.0	7.3	0.0	0.0	7.3	0.0	0.0
90%	7.2	7.3	7.7	7.7	0.0	0.0	7.7	0.0	0.0	7.8	0.0	0.0	7.8	0.0	0.0
50%	-6.7	-6.8	-7.4	-7.4	-0.0	-0.0	-7.4	-0.0	-0.0	-7.4	-0.0	-0.0	-7.4	-0.0	-0.0
10%	6.0	6.1	6.5	6.5	0.0	0.0	6.5	0.0	0.0	6.5	0.0	0.0	6.5	0.0	0.0
N	42	42	42	42	0	0	42	0	0	42	0	0	42	0	0
NOV MEAN	6.9	7.0	7.2	7.2	0.0	0.0	7.2	0.0	0.0	7.3	0.0	0.0	7.3	0.0	0.0
90%	7.3	7.3	7.5	7.5	0.0	0.0	7.5	0.0	0.0	7.6	0.0	0.0	7.5	0.0	0.0
50%	-7.0	-7.1	-7.3	-7.3	-0.0	-0.0	-7.3	-0.0	-0.0	-7.3	-0.0	-0.0	-7.3	-0.0	-0.0
10%	6.4	6.5	6.9	6.9	0.0	0.0	6.9	0.0	0.0	6.9	0.0	0.0	6.9	0.0	0.0
N	42	42	42	42	0	0	42	0	0	42	0	0	42	0	0
DEC MEAN	7.3	7.4	7.4	7.4	0.0	0.0	7.4	0.0	0.0	7.4	0.0	0.0	7.4	0.0	0.0
90%	7.7	7.8	7.8	7.8	0.0	0.0	7.8	0.0	0.0	7.7	0.0	0.0	7.7	0.0	0.0
50%	-7.3	-7.5	-7.5	-7.5	-0.0	-0.0	-7.5	-0.0	-0.0	-7.5	-0.0	-0.0	-7.5	-0.0	-0.0
10%	6.7	7.1	6.9	6.9	0.0	0.0	6.9	0.0	0.0	6.8	0.0	0.0	6.8	0.0	0.0
N	42	42	42	42	0	0	42	0	0	42	0	0	42	0	0

STATION 12

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC16	SC17	SC18	SC19	SC20	SC21
JAN MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
FEB MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
MAR MEAN	3.5	3.9	3.9	4.2	3.9	3.9
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	4	4	3	3	3	3
APR MEAN	4.1	4.2	4.3	4.2	4.3	4.3
90%	5.9	5.9	6.0	5.3	6.0	6.0
50%	-2.1	-2.2	-2.2	-2.2	-2.2	-2.2
10%	3.1	3.2	3.3	3.3	3.3	3.3
N	14	13	13	12	13	13
MAY MEAN	5.3	5.3	5.4	5.4	5.4	5.3
90%	6.2	6.4	6.4	6.4	6.4	6.4
50%	-2.1	-2.1	-2.2	-2.2	-2.2	-2.1
10%	4.3	4.6	4.8	4.7	4.8	4.7
N	16	15	15	15	15	15
JUN MEAN	6.0	6.0	6.0	6.1	6.0	6.0
90%	6.9	6.8	6.9	6.9	6.9	6.9
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	4.9	5.1	5.2	5.1	5.2	5.2
N	20	16	16	15	16	16
JUL MEAN	6.3	6.1	6.1	6.1	6.1	6.1
90%	7.5	7.1	7.2	7.2	7.2	7.2
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	4.7	4.7	4.7	4.7	4.7	4.7
N	22	21	21	18	21	20
AUG MEAN	7.2	6.8	6.9	6.9	6.9	6.9
90%	7.9	7.3	7.4	7.3	7.4	7.3
50%	-2.1	-2.1	-2.1	-2.2	-2.1	-2.2
10%	6.4	6.1	6.2	6.2	6.2	6.2
N	22	22	21	20	21	21
SEP MEAN	6.9	7.0	7.0	7.0	7.0	7.0
90%	7.7	7.6	7.6	7.5	7.6	7.6
50%	-2.2	-2.2	-2.2	-2.2	-2.2	-2.2
10%	6.4	6.6	6.7	6.7	6.7	6.7
N	22	22	22	20	22	22
OCT MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
NOV MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0
DEC MEAN	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0
50%	-0.0	-0.0	-0.0	-0.0	-0.0	-0.0
10%	0.0	0.0	0.0	0.0	0.0	0.0
N	0	0	0	0	0	0

STATION 12

SCENARIO SUMMARY LISTING FOR SAR

MO YEAR	SC-1	SC-2	SC-3	SC-4	SC-4H	SC10	SC10A
JAN MEAN	7.9	7.9	7.0	7.0	8.8	7.1	7.0
90%	8.6	8.1	7.6	7.7	9.7	7.7	7.7
50%	-1.1	-1.2	-1.2	-1.2	-2.1	-1.4	-1.2
10%	7.3	7.2	5.9	6.0	7.4	6.1	5.8
N	41	42	42	42	42	42	42
FEB MEAN	7.6	7.6	6.9	6.9	8.4	7.0	7.0
90%	8.7	8.2	7.7	7.7	9.4	7.7	7.7
50%	-1.1	-1.4	-1.2	-1.2	-1.5	-1.3	-1.2
10%	6.4	6.6	5.9	5.9	7.1	6.0	5.9
N	40	42	42	42	42	42	42
MAR MEAN	5.4	5.3	5.8	5.9	6.0	6.2	6.2
90%	8.3	7.5	8.3	8.3	8.4	8.9	8.9
50%	-2.0	-2.1	-2.1	-2.4	-2.6	-2.2	-2.2
10%	3.6	3.6	3.9	4.0	4.1	4.3	4.3
N	42	35	35	35	35	35	35
APR MEAN	4.8	4.9	5.1	5.1	5.2	5.2	5.1
90%	6.5	6.1	6.3	6.2	6.2	6.1	6.1
50%	-4.2	-2.0	-2.3	-2.3	-2.4	-2.4	-2.4
10%	3.4	3.4	3.6	3.7	3.7	3.9	3.8
N	42	42	42	42	42	42	42
MAY MEAN	5.7	5.9	6.1	6.1	6.1	6.1	6.1
90%	6.5	7.0	7.3	7.3	7.5	7.5	7.5
50%	-2.1	-2.2	-2.0	-2.0	-2.1	-2.1	-2.0
10%	4.7	4.7	4.9	4.8	4.8	4.9	4.9
N	42	42	42	42	42	42	42
JUN MEAN	6.1	6.6	6.7	6.7	7.0	6.9	6.8
90%	7.3	8.7	8.7	8.7	10.1	8.7	8.7
50%	-1.2	-1.2	-1.5	-1.5	-1.7	-1.7	-1.8
10%	5.2	5.3	5.4	5.4	5.5	5.4	5.5
N	42	41	41	41	41	41	41
JUL MEAN	6.5	7.6	7.5	7.5	8.1	7.5	7.5
90%	7.6	9.3	8.9	8.9	10.6	8.9	8.9
50%	-1.7	-1.4	-1.2	-1.0	-1.8	-1.0	-1.0
10%	4.8	4.8	5.0	5.0	5.1	5.0	5.0
N	42	37	37	37	37	37	37
AUG MEAN	7.3	8.7	8.5	8.4	9.6	8.5	8.5
90%	7.6	9.5	9.2	9.2	11.0	9.2	9.2
50%	-1.1	-1.8	-1.7	-1.6	-2.2	-1.7	-1.7
10%	6.3	7.7	7.5	7.5	7.6	7.5	7.5
N	42	33	33	33	33	33	33
SEP MEAN	6.3	8.1	8.1	8.1	9.5	8.1	8.1
90%	7.5	8.8	8.8	8.8	11.0	8.8	8.8
50%	-1.1	-1.1	-1.0	-1.0	-2.6	-1.0	-1.0
10%	6.2	7.0	7.4	7.4	7.8	7.4	7.4
N	42	38	38	38	38	38	38
OCT MEAN	6.7	6.8	7.3	7.3	8.3	7.3	7.3
90%	7.2	7.3	7.7	7.7	9.6	7.8	7.8
50%	-1.1	-1.8	-1.4	-1.4	-1.5	-1.4	-1.4
10%	6.5	6.1	6.5	6.5	6.6	6.5	6.5
N	42	42	42	42	42	42	42
NOV MEAN	6.9	7.0	7.2	7.2	8.2	7.3	7.2
90%	7.3	7.3	7.5	7.5	9.4	7.6	7.5
50%	-1.0	-1.1	-1.3	-1.3	-1.9	-1.3	-1.3
10%	6.4	6.5	6.9	6.9	7.2	6.9	6.9
N	42	42	42	42	42	42	42
DEC MEAN	7.3	7.4	7.4	7.4	9.0	7.4	7.4
90%	7.7	7.8	7.8	7.8	9.8	7.7	7.7
50%	-1.4	-1.5	-1.5	-1.5	-2.2	-1.5	-1.5
10%	6.7	7.1	6.9	6.9	7.7	6.8	6.8
N	42	42	42	42	42	42	42

